



Vanasse Hangen Brustlin, Inc.

September 13, 2012

Connecticut Department of Energy and Environmental Protection
Waste Management Bureau: WEED-District 1
79 Elm Street
Hartford, CT 06106

Attention Mr. Dave Ringquist

RE: 2012 – Second Quarter Groundwater and Surface Water Sampling Event
Former Envirite RCRA Facility
Old Waterbury Road
Thomaston, Connecticut

Dear Mr. Ringquist:

This report documents the observations and analytical results of the second quarterly sampling event of 2012 at the former Envirite facility located in Thomaston, Connecticut. Monitoring and sampling of select site groundwater monitoring wells was conducted on August 7, 2012. This sampling event was conducted as part of a post-closure monitoring program for the landfill. Figure 1 shows the location of the wells and inferred groundwater contours for the August 2012 sampling event. Depth to water measurements were collected from all monitored wells on August 7, 2012. Tables 1 through 4 present field data, laboratory analytical results, and comparisons with potentially applicable Connecticut Department of Energy and Environmental Protection (CTDEEP) cleanup criteria (based on the Remediation Standard Regulations and Water Quality Standards) and Table 5 presents calculated horizontal and vertical hydraulic gradient information.

GROUNDWATER SAMPLING AND ANALYSIS

Vanasse Hangen Brustlin, Inc. (VHB) personnel collected the samples and Phoenix Environmental Laboratories, Inc. (Phoenix), a Connecticut certified laboratory, analyzed the samples. Sampling and analytical procedures were performed according to Envirite's revised Post-Closure Plan, dated April 1987, as approved by the United States Environmental Protection Agency (USEPA) and CTDEEP. After recording depth to water measurements in each well, the wells were purged using a submersible pump or peristaltic pump until approximately three (3) well volumes of water was removed. Groundwater samples were then collected from the two-inch (2") diameter wells using dedicated bailers. Monitoring wells MW-30, MW-31S, and MW-36 are 1.5 inch diameter wells and therefore samples are collected using a peristaltic pump and dedicated polyethylene tubing.

Samples from Resource Conservation and Recovery Act (RCRA) quarterly monitoring wells were analyzed in the field for specific conductivity, pH, and temperature. Specific conductivity, pH, and temperature measurements were collected using a handheld Hanna Instruments® HI 991301 meter.

The meter was calibrated according to manufacturer's recommendations prior to use. The instrument calibration sheet is attached to this report.

Phoenix analyzed the samples for volatile organic compounds (VOCs) and selected inorganic constituents. A complete parameter list for these samples is provided on the laboratory data sheets included in the Appendix. Samples were analyzed according to USEPA Method 8260 and by additional methods described in "Test Methods for Evaluating Solid Waste" USEPA SW-846, 1996 and "Standard Methods for Examination of Water and Wastewater", APHA-AWWA-WPCF, 1995. The sampling and analytical protocols used were consistent with Envirite's post-closure plan and subsequent revisions including the response to the EPA's review and comment of Envirite's groundwater assessment plan (May 18, 1992).

Quality control samples included a duplicate sample (from monitoring well MW-42S), a field blank, an equipment blank, and a trip blank. The trip blank was analyzed for VOCs only. Water samples were collected in appropriate, laboratory-supplied containers and preserved according to the approved Post-Closure Plan. VHB collected surface water samples from Branch Brook at locations upstream and downstream of the Envirite site.

ANALYTICAL RESULTS

Tables 1 and 2 summarize the results of analyses for the RCRA quarterly monitoring for wells located in GB and GA areas, respectively. The analytical data for the surface water samples and the quality control samples are presented in Tables 3 and 4, respectively. The tables summarize data for VOCs, dissolved metals, ammonia, chloride, cyanide (total), nitrate, nitrite, phenols, sulfate, total dissolved solids (TDS), total suspended solids (TSS), total organic carbon (TOC), and total organic halides (TOX). Field measured parameters of pH and specific conductance are also summarized in Tables 1 through 4.

The CTDEEP Remediation Standard Regulations (RSRs)¹ are provided on the groundwater analytical summary tables for reference only. The 95% Upper Confidence Level (UCL) and average values will be calculated and compared to the Residential Volatilization Criteria (RVC), the Industrial/Commercial Volatilization Criteria (IVC), the Surface Water Protection Criteria (SWPC) and Ground Water Protection Criteria (GWPC) for the data collected in 2012. These comparisons will be presented in the 2012 Annual Report. Surface water samples were compared to the Water Quality Standards (WQS) for Class A Surface Waters. Values exceeding the WQS (standards are noted on tables) are identified in bold type.

Volatile Organic Compounds

The results of analyses for VOCs are summarized in Tables 1 and 2 for wells located in GB and GA areas, respectively. VOCs were detected in eleven (11) of the fifteen (15) samples collected from monitoring wells and surface water sampling locations. These VOCs included 1,2-dichloroethane,

¹ It should be noted that Envirite's legal counsel had advised that, according to the Regulations of Connecticut State Agencies Section 22a-133k-1(b), the RSRs do not apply to areas that are affected by discharges allowed under a ground water discharge permit issued pursuant to Section 22a-430. Envirite has held a ground water discharge permit since 1984 at the Thomaston facility. Thus, while compliance with RSRs is one indicator of potential need for remediation to CTDEEP, USEPA, and Envirite, these regulations are not strictly applicable to ground water constituent levels at the Thomaston facility.



Envirite Corporation, Thomaston, Connecticut

1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, styrene, 4-methyl-2-pentanone, acetone, benzene, cis-1,2-dichloroethene, ethylbenzene, isopropylbenzene, methyl ethyl ketone (MEK), naphthalene, n-propylbenzene, p-isopropyltoluene, tetrachloroethene (PCE), tetrahydrofuran, toluene, trichloroethene (TCE), vinyl chloride (VC), and xylenes. In line with historical results MW-31S had the highest reported concentrations of many of the VOCs detected.

For this sampling event, the following VOCs were detected at the highest concentrations in the sample collected from MW-31S; 1,2-dichloroethane, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, styrene, 4-methyl-2-pentanone, acetone, benzene, cis-1,2-dichloroethene, ethylbenzene, isopropylbenzene, MEK, naphthalene, n-propylbenzene, p-isopropyltoluene, tetrahydrofuran, toluene, VC, and xylenes. The constituents detected in MW-31S are most likely attributable to the Pre-Envirite Waste Material (PEWM) located in close proximity to the well. VOCs were not reported above the laboratory detection limits in the groundwater samples collected from MW-33 and MW-36. Statistical analysis will be performed for the four quarters of samples that have been collected in 2012, and the analysis will be compared to the CTDEEP RSRs in the 2012 Annual Report.

Metals

The results of analyses for dissolved metals are summarized in Tables 1 and 2 for wells located in GB and GA areas, respectively. Metals were detected in all fifteen (15) samples collected from monitoring wells and surface water sampling locations. These metals include barium, cadmium, chromium, copper, iron, manganese, nickel, sodium, and zinc. The highest concentrations of the metals, chromium, iron, manganese, and zinc were detected in the sample collected from MW-31S. The highest concentration of copper was detected in the sample collected from MW-43D. Statistical analysis will be performed for the four (4) quarters of samples that have been collected in 2012, and the analysis will be compared to the CTDEEP RSRs in the 2012 Annual Report.

Field Measurements and Indicator Parameters

The results of field measurements and indicator parameters are summarized in Tables 1 and 2 for wells located in GB and GA areas, respectively. In general, the concentration and distribution of the field measurements and indicator constituents for the wells are consistent with historical analytical data from the site.

Surface Water Samples

The surface water samples (upstream and downstream of the landfill) were collected from Branch Brook, which is classified as a Class B/A waterbody, and is required to meet Class A Water Quality Standards. As shown in Table 3, no targeted VOCs were detected in either surface water sample and no other analytes were detected at concentrations exceeding applicable CTDEEP Class A Surface Water Criteria. With the exception of manganese and total suspended solids, the reported metal concentrations and indicator parameters do not differ significantly between the upstream and downstream samples.

QA/QC Results

QA/QC samples consisted of a duplicate sample from monitoring well MW-42S, an equipment blank, and a field blank (each analyzed for parameters identical to the well samples), and a trip blank (analyzed for VOCs only). The analytical results obtained from the original and duplicate samples from monitoring well MW-42S correspond very well. A field blank was created by transferring laboratory-supplied deionized water into sample containers. An equipment blank was created by passing laboratory-supplied deionized water through decontaminated and rinsed sampling tubing into sample containers. The equipment and field blank were prepared on-Site in the vicinity of



monitoring well MW-33. Low levels of the VOC naphthalene were reported in the equipment and field blanks. Naphthalene was reported at concentrations of 3.3 µg/l and 2.1 µg/l in the equipment and field blanks, respectively. No target analytes (VOCs) were detected in the trip blank (Table 4).

Statistical Data Analysis

Statistical analysis will be performed for the four quarters of data collected in 2012. The results will be summarized in the 2012 Annual Report.

GROUNDWATER FLOW DIRECTION

Groundwater monitoring measurements were made prior to purging the wells. Groundwater elevation data are summarized on Tables 1 and 2, and inferred groundwater contours are presented on Figure 1. Based on interpretation of available data, the horizontal component of shallow groundwater flow is predominantly to the south with a hydraulic gradient of approximately 0.004 ft/ft. These observations are generally consistent with earlier data.

The vertical gradient of groundwater flow was calculated at the three (3) clusters gauged as part of this sampling, the MW-41 cluster, MW-43 cluster, and MW-44 cluster. The vertical gradients were calculated using the difference in groundwater elevation measured at each well divided by the difference in elevation of the midpoint of the screen at each well. The vertical groundwater gradient was upward between the deep and shallow overburden wells in the MW-41 cluster (0.132 ft/ft) and between the deep and shallow overburden wells in the MW-43 (0.001 ft/ft) cluster. Downward gradients were calculated from the deep overburden wells to bedrock wells in the MW-41 (0.087 ft/ft) and MW-44 (0.121 ft/ft) clusters. Refer to the attached Table 5 for the calculated horizontal and vertical gradients.

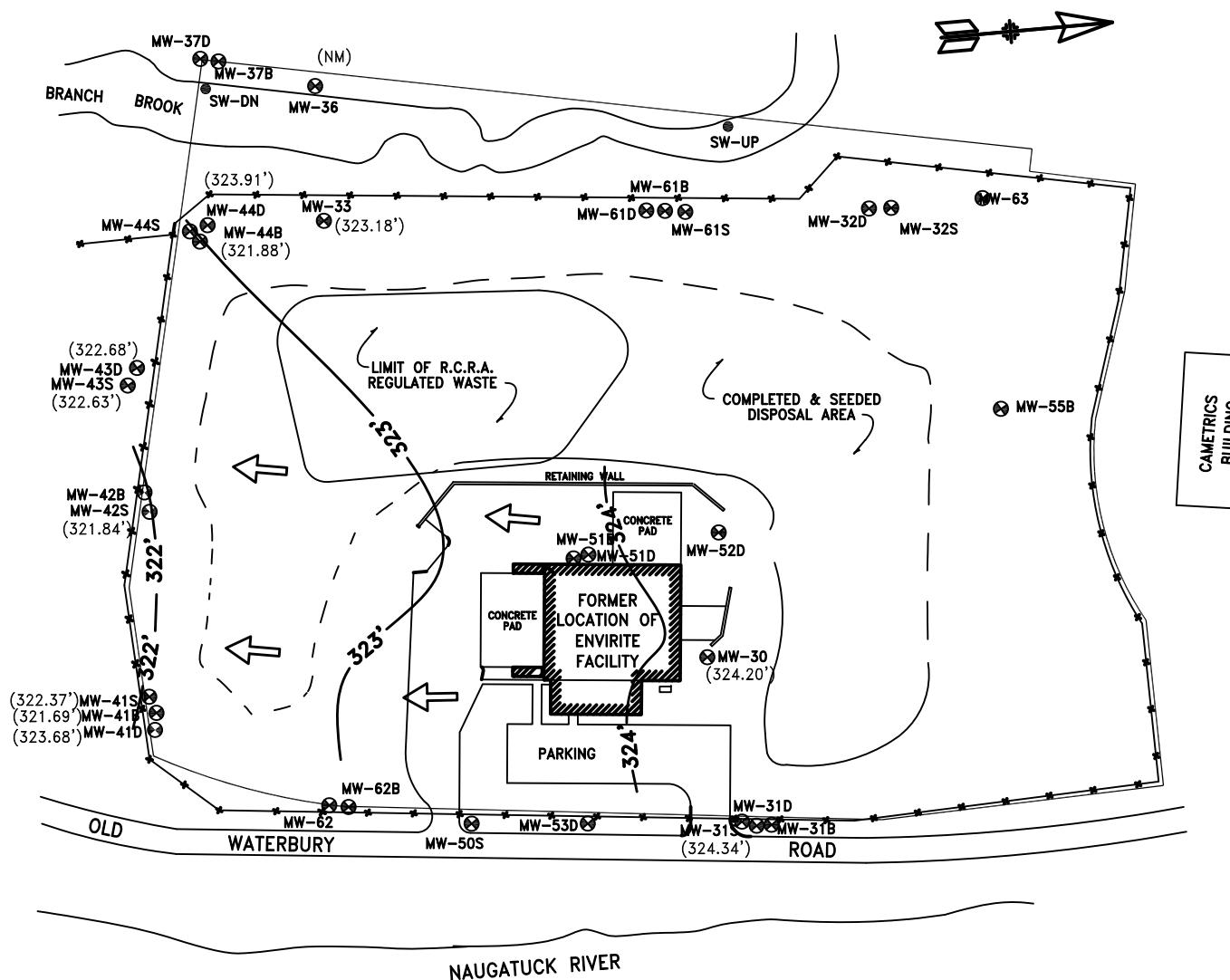
If you have any questions or comments on the information presented in this report, please call the undersigned at your convenience.

Sincerely,
Vanasse Hangen Brustlin, Inc.

Philip M. Rydel

Philip M. Rydel, CHMM
Senior Environmental Scientist

cc: Bob Brackett, USEPA, Boston, MA
G. Stengel, Jr., Envirite Corporation



LEGEND

- = BUILDING LINE
- = PROPERTY LINE
- = FENCE LINE
- = WALK/STREET
- = RIVER/BROOK
- = EXISTING MONITORING WELL
- (324.50) = ELEVATION OF GROUNDWATER IN FEET RELATIVE TO A COMMON DATUM
- 324 — = GROUNDWATER ELEVATION CONTOUR (DASHED WHEN INFERRRED)
- = DIRECTION OF FLOW

NOTE:
DATA FROM THE FOLLOWING MONITORING WELLS WERE USED TO CONSTRUCT THIS MAP,
MW-30, MW-31S, MW-33, MW-41S,
MW-42S, AND MW-43S.

SCALE
0 100'

ALL LOCATIONS ARE APPROXIMATE

MAP INFORMATION

BASED ON "GZA" GEOENVIRONMENTAL, INC.
DWG. NO. 2-5, PROJECT NO. 41302.4
TITLED: BEDROCK CONTOUR PLAN,
DATED: MARCH 15, 1995 &
R.C.R.A. MONITORING (GROUNDWATER CONTOUR
PLAN) PROJECT #41391.1, FIG.2.

GROUNDWATER CONTOURS BASED UPON DEPTH
MEASUREMENTS COLLECTED ON 8/7/12.

Vanasse Hangen Brustlin, Inc.

Second Quarter 2012
Inferred Groundwater Contour Map
Former Envirite Landfill
Thomaston, Connecticut

TABLE 1. SUMMARY OF ANALYTICAL RESULTS, GB WELLS
Thomaston, Connecticut
2012 Second Quarter

CTDEP CRITERIA (ug/L)					WELL Reference Elevation	MW-30 Date 341.71	MW-31S 8/7/12 340.30	MW-33 8/7/12 340.49	MW-41S 8/7/12 334.41	MW-41D 8/7/12 335.26	MW-41B 8/7/12 335.26	MW-42S 8/7/12 340.43	MW-42S (dup) 8/7/12 340.43	MW-43S 8/7/12 340.43	MW-43D 8/7/12 340.65	MW-44D 8/7/12 340.33	MW-44B 8/7/12 339.28
RVC ug/L	2 x RVC ug/L	IVC ug/L	2 x IVC ug/L	SWPC ug/L													
					Depth to Water	17.51	15.96	17.31	12.04	11.58	13.57	18.59	18.59	17.80	17.97	16.42	17.4
					Water Level Elevation (feet)	324.20	324.34	323.18	322.37	323.68	321.69	321.84	321.84	322.63	322.68	323.91	321.88
					pH (standard units)	7.07	6.61	6.95	6.59	6.72	7.46	6.82	6.86	6.73	6.30	6.99	6.80
					Specific Conductance ($\mu\text{mhos/cm}$)	536	1380	289	547	708	1180	907	907	1860	830	388	824
					Volatile Organic Compounds*												
6,500	13,000	16,000	32,000	62,000	1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1.8	3.6	54	108	110	1,1,2,2-Tetrachloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
220	440	2,900	5,800	1,260	1,1,2-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
3,000	6,000	41,000	82,000	NE	1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
190	380	920	1,840	96	1,1-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
5,100	10,200	50,000	100,000	170,000	1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
6.5	13.0	68	136	2,970	1,2-Dichloroethane	BDL	7.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
7.4	14.8	58	116	NE	1,2-Dichloropropane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,300	8,600	50,000	100,000	26,000	1,2,3-Trichloropropane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,400	2,800	3,400	6,800	26,000	1,3-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
360	720	4,800	9,600	NE	1,4-Dichlorobenzene	BDL	330	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
280	560	3,900	7,800	NE	1,2,4-Trimethylbenzene	BDL	110	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
3,100	6,200	42,000	84,000	NE	Styrene	BDL	29	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
NE	NE	NE	NE	NE	2-Hexanone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
NE	NE	NE	NE	NE	2-Chloroethyl vinyl ether	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
NE	NE	NE	NE	NE	4-Methyl-2-pentanone	BDL	22,000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
50,000	100,000	50,000	100,000	NE	Acetone	BDL	440	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
NE	NE	NE	NE	NE	Acrolein	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
NE	NE	NE	NE	NE	Acrylonitrile	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
130	260	310	620	710	Benzene	BDL	110	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2.3	5	73	146	NE	Bromodichloromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
75	150	2,300	4,600	10,800	Bromoform	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
NE	NE	NE	NE	NE	Bromomethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
5.3	11	14	28	132	Carbon Tetrachloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,800	3,600	23,000	46,000	420,000	Chlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
12,000	24,000	29,000	58,000	NE	Chloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
26	52	62	124	14,100	Chloroform	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
NE	NE	NE	NE	NE	Chloromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
830	1,660	11,000	22,000	NE	cis-1,2-Dichloroethene	24	2,400	BDL	34	58	65	8.7	9.9	38	27	3.6	29
6	12	25	50	34,000	cis-1,3-Dichloropropene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
NE	NE	NE	NE	NE	Dibromochloromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,700	5,400	36,000	72,000	580,000	Ethylbenzene	BDL	3,100	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,800	5,600	6,800	13,600	NE	Isopropylbenzene	BDL	120	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
160	320	2,200	4,400	48,000	Methylene Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
NE	NE	NE	NE	NE	Methyl ethyl ketone	BDL	1,400	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
21,000	42,000	50,000	100,000	NE	Methyl t-butyl ether (MTBE)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
NE	NE	NE	NE	NE	Naphthalene	BDL	98	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
NE	NE	NE	NE	NE	n-Propylbenzene	BDL	44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
NE	NE	NE	NE	NE	p-Isopropyltoluene	BDL	11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,500	3,000	20,000	40,000	710	sec-Butylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
NE	NE	NE	NE	710	Tetrachloroethylene	9.6	BDL	BDL	10	13	6.2	11	10	20	9.9	4.8	8.5
340	680	810															

TABLE 2. SUMMARY OF ANALYTICAL RESULTS, GA WELL (MW-36)

Thomaston, Connecticut

2012 Second Quarter

GWPC	CTDEP CRITERIA (ug/L) ¹						Reference Elevation	WELL Date	MW-36 8/7/12			
	2 x GWPC ug/L	2 x RVC ug/L	RVC ug/L	2 x IVC ug/L	IVC ug/L	2 x SWPC ug/L						
							Depth to Water	NM				
							Water Level Elevation (feet)	NM				
							pH (standard units)	6.82				
							Specific Conductance ($\mu\text{mhos}/\text{cm}$)	306				

TABLE 3. SUMMARY OF ANALYTICAL RESULTS, BRANCH BROOK (SURFACE WATER)¹

Thomaston, Connecticut
2012 Second Quarter

CTDEP Class A Surface Water Criteria ² Aquatic Life Criteria Human Health Criteria				Branch Brook Sample Date	SW-DN 8/7/12	SW-UP 8/7/12
Acute ug/L	Chronic ug/L	Consumption of Organisms Only ug/L	Consumption of Water and Organisms ug/L	pH (standard units)	7.24	7.30
				Specific Conductance ($\mu\text{mhos}/\text{cm}$)	118	116
NE	NE	NE	NE	1,1,1-Trichloroethane	BDL	BDL
NE	NE	11	0.17	1,1,2,2-Tetrachloroethane	BDL	BDL
NE	NE	42	0.6	1,1,2-Trichloroethane	BDL	BDL
NE	NE	NE	NE	1,1-Dichloroethane	BDL	BDL
NE	NE	3.2	0.057	1,1-Dichloroethene	BDL	BDL
NE	NE	17,000	2,700	1,2-Dichlorobenzene	BDL	BDL
NE	NE	99	0.38	1,2-Dichloroethane	BDL	BDL
NE	NE	39	0.52	1,2-Dichloropropane	BDL	BDL
NE	NE	2,600	400	1,3-Dichlorobenzene	BDL	BDL
NE	NE	2,600	400	1,4-Dichlorobenzene	BDL	BDL
NE	NE	NE	NE	2-Chloroethyl vinyl ether	NT	NT
NE	NE	780	320	Acrolein	NT	NT
NE	NE	0.66	0.059	Acrylonitrile	BDL	BDL
NE	NE	71	1.2	Benzene	BDL	BDL
NE	NE	46	0.56	Bromodichloromethane	BDL	BDL
NE	NE	360	4.3	Bromoform	BDL	BDL
NE	NE	NE	NE	Bromomethane	BDL	BDL
NE	NE	4.4	0.25	Carbon Tetrachloride	BDL	BDL
NE	NE	21,000	100	Chlorobenzene	BDL	BDL
NE	NE	NE	NE	Chloroethane	BDL	BDL
NE	NE	470	5.7	Chloroform	BDL	BDL
NE	NE	NE	NE	Chloromethane	BDL	BDL
NE	NE	1,700	10	cis-1,3-Dichloropropene	BDL	BDL
NE	NE	34	0.41	Dibromochloromethane	BDL	BDL
NE	NE	29,000	700	Ethylbenzene	BDL	BDL
NE	NE	1,600	4.7	Methylene Chloride	BDL	BDL
NE	NE	8.85	0.8	Tetrachloroethylene	BDL	BDL
NE	NE	200,000	1,000	Toluene	BDL	BDL
NE	NE	140,000	100	trans-1,2-Dichloroethene	BDL	BDL
NE	NE	1,700	10	trans-1,3-Dichloropropene	BDL	BDL
NE	NE	81	2.7	Trichloroethene	BDL	BDL
NE	NE	NE	NE	Trichlorofluoromethane	BDL	BDL
NE	NE	525	2	Vinyl Chloride	BDL	BDL
				Metals		
NE	NE	NE	NE	Barium, Dissolved	13.0	11.0
2.02	1.35	10,769	5	Cadmium, Dissolved	BDL	BDL
16 (Cr VI)	11 (Cr VI)	2019 (Cr VI)	100 (Cr VI)	Chromium, Dissolved	BDL	BDL
14.3	4.8	NE	1,300	Copper, Dissolved ³	BDL	BDL
NE	NE	NE	NE	Iron, Dissolved	226	194
NE	NE	NE	NE	Manganese, Dissolved	134	18
260.5	28.9	4,600	610	Nickel, Dissolved	BDL	BDL
NE	NE	NE	NE	Sodium, Dissolved	12,100	12,100
65	65	68,740	9,100	Zinc, Dissolved	2.0	2.0
				Indicator Parameters		
see footnote 4(a)	see footnote 4 (b,c)	NE	NE	Ammonia Nitrogen	100	40
NE	NE	NE	NE	Chloride, Water	16,500	16,400
22	5.2	220,000	200	Cyanide, Water	BDL	BDL
NE	NE	NE	NE	Nitrate Nitrogen, Water	110	120
NE	NE	NE	NE	Nitrite Nitrogen, Water	BDL	BDL
NE	NE	NE	NE	Phenols, Water	BDL	BDL
NE	NE	NE	NE	Sulfate, Water	6,100	6,100
NE	NE	NE	NE	Total Dissolved Solids, Water	71,000	71,000
NE	NE	NE	NE	Total Organic Carbon, Water	2,400	2,200
NE	NE	NE	NE	Total Organic Halogens, Water	BDL	BDL
NE	NE	NE	NE	Total Suspended Solids	BDL	42,000

Notes:
CTDEP Connecticut Department of Environmental Protection
NE Not established
BDL Below Detection Limit

Footnotes:

¹ Samples were collected from Branch Brook, a Class B/A surface water and therefore is required to meet CTDEP Class A surface water quality standards (footnote 2).

² Class A Surface Waters are designated for: habitat for fish and other aquatic life and wildlife; potential drinking water supplies; recreation; navigation; and water supply for industry and agriculture (State of Connecticut Surface Water Quality Standards, Effective December 17, 2002)

³ Biological integrity is impaired when the ambient concentration exceeds the acute value on more than 5% of the year and the chronic value more than 50% of the year.

⁴ The criteria for ammonia (mg/L as N) vary in response to ambient surface water temperature (T, degrees C) and pH. Biological integrity is considered impaired when:

a. The one-hour average concentration of total ammonia exceeds:

$$[0.275 / 1 + 10^{(7.204 - \text{pH})}] + [39 / (1 + 10^{(\text{pH} - 7.204)})]$$

- or -

$$[0.411 / 1 + 10^{(7.204 - \text{pH})}] + [58.4 / (1 + 10^{(\text{pH} - 7.204)})]$$

b. The four-day average concentration of total ammonia exceeds 2.5 times the value obtained from the formula (c) below.

$$[0.0577 / 1 + 10^{(7.688 - \text{pH})}] + [2.487 / 1 + 10^{(\text{pH} - 7.688)}] \times [\text{MIN}(2.85, 1.45 \times 10^{0.028(25 - T)})]$$

- or -

$$[0.0577 / 1 + 10^{(7.688 - \text{pH})}] + [2.487 / 1 + 10^{(\text{pH} - 7.688)}] \times [1.45 \times 10^{0.028(25 - \text{MAX(T,7)})}]$$

⁵ VOCs analyzed using Method 826C

TABLE 4. SUMMARY OF ANALYTICAL RESULTS, QA/QC SAMPLES

Thomaston, Connecticut
2012 Second Quarter

Sample Description Date	Equipment Blank 8/7/12	Field Blank 8/7/12	Trip Blank 8/7/12
Volatile Organic Compounds*	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	BDL	BDL	BDL
1,1,2-Trichloroethane	BDL	BDL	BDL
1,1-Dichloroethane	BDL	BDL	BDL
1,1-Dichloroethene	BDL	BDL	BDL
1,2-Dichlorobenzene	BDL	BDL	BDL
1,2-Dichloroethane	BDL	BDL	BDL
1,2-Dichloropropane	BDL	BDL	BDL
1,3-Dichlorobenzene	BDL	BDL	BDL
1,4-Dichlorobenzene	BDL	BDL	BDL
2-Chloroethyl vinyl ether	NT	NT	BDL
Acrolein	NT	NT	NT
Acrylonitrile	BDL	BDL	BDL
Benzene	BDL	BDL	BDL
Bromodichloromethane	BDL	BDL	BDL
Bromoform	BDL	BDL	BDL
Bromomethane	BDL	BDL	BDL
Carbon Tetrachloride	BDL	BDL	BDL
Chlorobenzene	BDL	BDL	BDL
Chloroethane	BDL	BDL	BDL
Chloroform	BDL	BDL	BDL
Chloromethane	BDL	BDL	BDL
cis-1,3-Dichloropropene	BDL	BDL	BDL
Dibromochloromethane	BDL	BDL	BDL
Ethylbenzene	BDL	BDL	BDL
Methylene Chloride	BDL	BDL	BDL
Naphthalene	3.3	2.1	BDL
Tetrachloroethylene	BDL	BDL	BDL
Toluene	BDL	BDL	BDL
trans-1,2-Dichloroethene	BDL	BDL	BDL
trans-1,3-Dichloropropene	BDL	BDL	BDL
Trichloroethylene	BDL	BDL	BDL
Trichlorofluoromethane	BDL	BDL	BDL
Vinyl Chloride	BDL	BDL	BDL
Metals			
Barium, Dissolved	BDL	BDL	NT
Cadmium, Dissolved	BDL	BDL	NT
Chromium, Dissolved	BDL	BDL	NT
Copper, Dissolved	BDL	BDL	NT
Iron, Dissolved	BDL	BDL	NT
Manganese, Dissolved	BDL	BDL	NT
Nickel, Dissolved	1	BDL	NT
Sodium, Dissolved	BDL	BDL	NT
Zinc, Dissolved	BDL	BDL	NT
Indicator Parameters			
Ammonia Nitrogen	BDL	BDL	NT
Chloride, Water	BDL	BDL	NT
Cyanide, Water	BDL	BDL	NT
Nitrate Nitrogen, Water	BDL	BDL	NT
Nitrite Nitrogen, Water	BDL	BDL	NT
Phenols, Water	BDL	BDL	NT
Sulfate, Water	BDL	BDL	NT
Total Dissolved Solids, Water	BDL	BDL	NT
Total Organic Carbon, Water	BDL	BDL	NT
Total Organic Halogens, Water	BDL	BDL	NT
Total Suspended Solids	BDL	BDL	NT

Notes:

BDL Below Detection Limit

NT Not Tested

* VOCs analyzed using Method 8260

TABLE 5. SUMMARY OF CALCULATED HYDRAULIC GRADIENTS

Thomaston, Connecticut

2012 Second Quarter

$$(324' - 322') / 464.12' = 0.004 \text{ FT / FT}$$

**Calculated Horizontal Gradient
(vertical ft of Head/horizontal ft)****Horizontal Gradient (vertical ft of Head/horizontal ft) =** 0.004

Well	Well	Measured Groundwater Elevation (in feet)	Calculated Vertical Gradient at Select Well Clusters (vertical ft of Head/vertical ft)
MW-41S	MW-41D	322.37	-0.1323
MW-41D	MW-41B	323.68	0.0871
MW-43S	MW-43D	322.63	-0.0014
MW-44D	MW-44B	323.91	0.1220

Notes:*A negative vertical gradient indicates an inferred upward groundwater flow.*



Friday, August 17, 2012

**Attn: Mr Phil Rydel
VHB, Inc.
54 Tuttle Place
Middletown CT 06457**

**Project ID: ENVIRITE LANDFILL-THOMASTON
Sample ID#s: BC51751 - BC51768**

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller".

**Phyllis Shiller
Laboratory Director**

**NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B**

**NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301**



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 17, 2012

FOR: Attn: Mr Phil Rydel
VHB, Inc.
54 Tuttle Place
Middletown CT 06457

Sample Information

Matrix: GROUND WATER
Location Code: VHB-ENLF
Rush Request: Standard
P.O. #:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date 08/07/12 Time 14:30

Date 08/08/12 Time 15:47

Project ID: ENVIRITE LANDFILL-THOMASTON
Client ID: MW-30

Laboratory Data

SDG ID: GBC51751

Phoenix ID: BC51751

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Barium (Dissolved)	0.005	0.002	mg/L	08/11/12	LK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Chromium (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Copper (Dissolved)	< 0.005	0.005	mg/L	08/11/12	LK	SW6010
Iron (Dissolved)	< 0.011	0.011	mg/L	08/11/12	LK	SW6010
Manganese (Dissolved)	0.022	0.001	mg/L	08/11/12	LK	SW6010
Sodium (Dissolved)	43.5	0.11	mg/L	08/11/12	LK	SW6010
Nickel (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Zinc (Dissolved)	0.005	0.002	mg/L	08/11/12	LK	SW6010
Chloride	177	30	mg/L	08/11/12	BS/EG	300.0
Conductivity	536	5	umhos/cm	08/09/12	BS/KDB	SM2510B
Ammonia as Nitrogen	1.42	0.02	mg/L	08/09/12	WHM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	08/08/12 23:39	bs/eg	300.0
Nitrate as Nitrogen	4.71	0.05	mg/L	08/08/12 23:39	bs/eg	300.0
Phenolics	< 0.015	0.015	mg/L	08/09/12	GD	E420.4
pH	7.07	0.10	pH Units	08/09/12 03:03	BS/KDB	4500-H B/9040
Sulfate	37.5	3.0	mg/L	08/08/12	bs/eg	300.0
Total Cyanide	< 0.01	0.01	mg/L	08/08/12	O/GD	335.4/9010
Tot. Diss. Solids	790	10	mg/L	08/09/12	KG/KDB	SM2540C
Total Organic Carbon	< 1.0	1.0	mg/L	08/10/12	NL/EG	SM 5310C
Total Suspended Solids	< 5.0	5.0	mg/L	08/09/12	KG/NL	SM2540D
Filtration	Completed			08/08/12	AG	0.45um Filter
Dissolved Metals Preparation	Completed			08/08/12	AG	SW846-3005
Tot. Org. Halogens	0.030	0.010	ug/L	08/10/12	*	SW9020
Volatiles						s
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,2-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	08/09/12	H/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Hexanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Acetone	ND	25	ug/L	08/09/12	H/T	SW8260
Acrylonitrile	ND	5.0	ug/L	08/09/12	H/T	SW8260
Benzene	ND	0.70	ug/L	08/09/12	H/T	SW8260
Bromobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromochloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Bromoform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	08/09/12	H/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
cis-1,2-Dichloroethene	24	1.0	ug/L	08/09/12	H/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Ethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	08/09/12	H/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
m&p-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methylene chloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Naphthalene	ND	1.0	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
n-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
o-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Styrene	ND	1.0	ug/L	08/09/12	H/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Tetrachloroethene	9.6	1.0	ug/L	08/09/12	H/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	08/09/12	H/T	SW8260
Toluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Total Xylenes	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	08/09/12	H/T	SW8260
Trichloroethene	12	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Vinyl chloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	102		%	08/09/12	H/T	70 - 130 %
% Bromofluorobenzene	87		%	08/09/12	H/T	70 - 130 %
% Dibromofluoromethane	112		%	08/09/12	H/T	70 - 130 %
% Toluene-d8	98		%	08/09/12	H/T	70 - 130 %

S = This parameter is subcontracted.

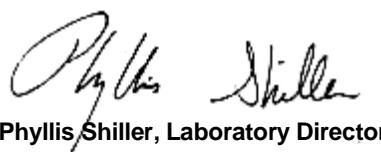
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.
 * TOX analyzed by CT certified lab #PH-0520. CT does not certify for this parameter.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
 This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

August 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 17, 2012

FOR: Attn: Mr Phil Rydel
VHB, Inc.
54 Tuttle Place
Middletown CT 06457

Sample Information

Matrix: GROUND WATER
Location Code: VHB-ENLF
Rush Request: Standard
P.O. #:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

Time

08/07/12 15:00
08/08/12 15:47

Laboratory Data

SDG ID: GBC51751

Phoenix ID: BC51752

Project ID: ENVIRITE LANDFILL-THOMASTON
Client ID: MW-31S

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Barium (Dissolved)	0.106	0.002	mg/L	08/11/12	LK	SW6010
Cadmium (Dissolved)	0.005	0.001	mg/L	08/11/12	LK	SW6010
Chromium (Dissolved)	0.068	0.001	mg/L	08/11/12	LK	SW6010
Copper (Dissolved)	0.083	0.005	mg/L	08/11/12	LK	SW6010
Iron (Dissolved)	56.2	0.011	mg/L	08/11/12	LK	SW6010
Manganese (Dissolved)	9.94	0.011	mg/L	08/14/12	LK	SW6010
Sodium (Dissolved)	58.9	0.11	mg/L	08/11/12	LK	SW6010
Nickel (Dissolved)	0.043	0.001	mg/L	08/11/12	LK	SW6010
Zinc (Dissolved)	0.708	0.002	mg/L	08/11/12	LK	SW6010
Chloride	192	15	mg/L	08/10/12	BS/EG	300.0
Conductivity	1380	5	umhos/cm	08/09/12	BS/KDB	SM2510B
Ammonia as Nitrogen	28.8	0.20	mg/L	08/09/12	WHM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	08/08/12 23:48	bs/eg	300.0
Nitrate as Nitrogen	< 0.05	0.05	mg/L	08/08/12 23:48	bs/eg	300.0
Phenolics	0.885	0.075	mg/L	08/09/12	GD	E420.4
pH	6.61	0.10	pH Units	08/09/12 03:06	BS/KDB	4500-H B/9040
Sulfate	14.3	3.0	mg/L	08/08/12	bs/eg	300.0
Total Cyanide	< 0.01	0.01	mg/L	08/08/12	O/GD	335.4/9010
Tot. Diss. Solids	1200	40	mg/L	08/09/12	KG/KDB	SM2540C
Total Organic Carbon	260	20	mg/L	08/10/12	JL	SM 5310C
Total Suspended Solids	92	5.0	mg/L	08/09/12	KG/NL	SM2540D
Filtration	Completed			08/08/12	AG	0.45um Filter
Dissolved Metals Preparation	Completed			08/08/12	AG	SW846-3005
Tot. Org. Halogens	3.21	0.010	ug/L	08/10/12	*	SW9020

Volatiles

1,1,1,2-Tetrachloroethane	ND	10	ug/L	08/09/12	H/T	SW8260
1,1,1-Trichloroethane	ND	10	ug/L	08/09/12	H/T	SW8260
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,2-Trichloroethane	ND	10	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethane	ND	10	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethene	ND	10	ug/L	08/09/12	H/T	SW8260
1,1-Dichloropropene	ND	10	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichlorobenzene	ND	10	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichloropropane	ND	10	ug/L	08/09/12	H/T	SW8260
1,2,4-Trichlorobenzene	ND	10	ug/L	08/09/12	H/T	SW8260
1,2,4-Trimethylbenzene	330	100	ug/L	08/09/12	H/T	SW8260
1,2-Dibromo-3-chloropropane	ND	10	ug/L	08/09/12	H/T	SW8260
1,2-Dibromoethane	ND	10	ug/L	08/09/12	H/T	SW8260
1,2-Dichlorobenzene	ND	10	ug/L	08/09/12	H/T	SW8260
1,2-Dichloroethane	7.3	6.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichloropropane	ND	10	ug/L	08/09/12	H/T	SW8260
1,3,5-Trimethylbenzene	110	10	ug/L	08/09/12	H/T	SW8260
1,3-Dichlorobenzene	ND	10	ug/L	08/09/12	H/T	SW8260
1,3-Dichloropropane	ND	10	ug/L	08/09/12	H/T	SW8260
1,4-Dichlorobenzene	ND	10	ug/L	08/09/12	H/T	SW8260
2,2-Dichloropropane	ND	10	ug/L	08/09/12	H/T	SW8260
2-Chlorotoluene	ND	10	ug/L	08/09/12	H/T	SW8260
2-Hexanone	ND	50	ug/L	08/09/12	H/T	SW8260
2-Isopropyltoluene	ND	10	ug/L	08/09/12	H/T	SW8260
4-Chlorotoluene	ND	10	ug/L	08/09/12	H/T	SW8260
4-Methyl-2-pentanone	22000	5000	ug/L	08/09/12	H/T	SW8260
Acetone	440	2500	ug/L	08/09/12	H/T	SW8260
Acrylonitrile	ND	50	ug/L	08/09/12	H/T	SW8260
Benzene	110	7.0	ug/L	08/09/12	H/T	SW8260
Bromobenzene	ND	10	ug/L	08/09/12	H/T	SW8260
Bromochloromethane	ND	10	ug/L	08/09/12	H/T	SW8260
Bromodichloromethane	ND	5.0	ug/L	08/09/12	H/T	SW8260
Bromoform	ND	10	ug/L	08/09/12	H/T	SW8260
Bromomethane	ND	10	ug/L	08/09/12	H/T	SW8260
Carbon Disulfide	ND	50	ug/L	08/09/12	H/T	SW8260
Carbon tetrachloride	ND	10	ug/L	08/09/12	H/T	SW8260
Chlorobenzene	ND	10	ug/L	08/09/12	H/T	SW8260
Chloroethane	ND	10	ug/L	08/09/12	H/T	SW8260
Chloroform	ND	10	ug/L	08/09/12	H/T	SW8260
Chloromethane	ND	10	ug/L	08/09/12	H/T	SW8260
cis-1,2-Dichloroethene	2400	100	ug/L	08/09/12	H/T	SW8260
cis-1,3-Dichloropropene	ND	5.0	ug/L	08/09/12	H/T	SW8260
Dibromochloromethane	ND	5.0	ug/L	08/09/12	H/T	SW8260
Dibromomethane	ND	10	ug/L	08/09/12	H/T	SW8260
Dichlorodifluoromethane	ND	10	ug/L	08/09/12	H/T	SW8260
Ethylbenzene	3100	100	ug/L	08/09/12	H/T	SW8260
Hexachlorobutadiene	ND	4.0	ug/L	08/09/12	H/T	SW8260
Isopropylbenzene	120	10	ug/L	08/09/12	H/T	SW8260
m&p-Xylene	5800	1000	ug/L	08/09/12	H/T	SW8260
Methyl ethyl ketone	1400	500	ug/L	08/09/12	H/T	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/L	08/09/12	H/T	SW8260
Methylene chloride	ND	10	ug/L	08/09/12	H/T	SW8260
Naphthalene	98	10	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
n-Butylbenzene	ND	10	ug/L	08/09/12	H/T	SW8260
n-Propylbenzene	44	10	ug/L	08/09/12	H/T	SW8260
o-Xylene	3400	100	ug/L	08/09/12	H/T	SW8260
p-Isopropyltoluene	11	10	ug/L	08/09/12	H/T	SW8260
sec-Butylbenzene	ND	10	ug/L	08/09/12	H/T	SW8260
Styrene	29	10	ug/L	08/09/12	H/T	SW8260
tert-Butylbenzene	ND	10	ug/L	08/09/12	H/T	SW8260
Tetrachloroethene	ND	10	ug/L	08/09/12	H/T	SW8260
Tetrahydrofuran (THF)	560	500	ug/L	08/09/12	H/T	SW8260
Toluene	9800	1000	ug/L	08/09/12	H/T	SW8260
Total Xylenes	9200	10	ug/L	08/09/12	H/T	SW8260
trans-1,2-Dichloroethene	ND	10	ug/L	08/09/12	H/T	SW8260
trans-1,3-Dichloropropene	ND	5.0	ug/L	08/09/12	H/T	SW8260
trans-1,4-dichloro-2-butene	ND	50	ug/L	08/09/12	H/T	SW8260
Trichloroethene	ND	10	ug/L	08/09/12	H/T	SW8260
Trichlorofluoromethane	ND	10	ug/L	08/09/12	H/T	SW8260
Trichlorotrifluoroethane	ND	10	ug/L	08/09/12	H/T	SW8260
Vinyl chloride	230	10	ug/L	08/09/12	H/T	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	97	%		08/09/12	H/T	70 - 130 %
% Bromofluorobenzene	104	%		08/09/12	H/T	70 - 130 %
% Dibromofluoromethane	92	%		08/09/12	H/T	70 - 130 %
% Toluene-d8	91	%		08/09/12	H/T	70 - 130 %

S = This parameter is subcontracted.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

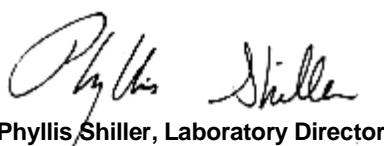
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

* TOX analyzed by CT certified lab #PH-0520. CT does not certify for this parameter.

Elevated reporting limits for volatiles due to the presence of target and non-target compounds.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

August 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 17, 2012

FOR: Attn: Mr Phil Rydel
VHB, Inc.
54 Tuttle Place
Middletown CT 06457

Sample Information

Matrix: GROUND WATER
Location Code: VHB-ENLF
Rush Request: Standard
P.O. #:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

Time

08/07/12 13:04
08/08/12 15:47

Laboratory Data

SDG ID: GBC51751

Phoenix ID: BC51753

Project ID: ENVIRITE LANDFILL-THOMASTON
Client ID: MW-33

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Barium (Dissolved)	0.033	0.002	mg/L	08/11/12	LK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Chromium (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Copper (Dissolved)	< 0.005	0.005	mg/L	08/11/12	LK	SW6010
Iron (Dissolved)	< 0.011	0.011	mg/L	08/11/12	LK	SW6010
Manganese (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Sodium (Dissolved)	7.79	0.11	mg/L	08/11/12	LK	SW6010
Nickel (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Zinc (Dissolved)	< 0.002	0.002	mg/L	08/11/12	LK	SW6010
Chloride	38.8	3.0	mg/L	08/09/12	bs/eg	300.0
Conductivity	289	5	umhos/cm	08/09/12	BS/KDB	SM2510B
Ammonia as Nitrogen	0.06	0.02	mg/L	08/09/12	WHM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	08/09/12 00:43	bs/eg	300.0
Nitrate as Nitrogen	8.37	0.25	mg/L	08/10/12 11:21	BS/EG	300.0
Phenolics	< 0.015	0.015	mg/L	08/09/12	GD	E420.4
pH	6.95	0.10	pH Units	08/09/12 03:09	BS/KDB	4500-H B/9040
Sulfate	21.7	3.0	mg/L	08/09/12	bs/eg	300.0
Total Cyanide	< 0.01	0.01	mg/L	08/08/12	O/GD	335.4/9010
Tot. Diss. Solids	270	10	mg/L	08/09/12	KG/KDB	SM2540C
Total Organic Carbon	< 1.0	1.0	mg/L	08/11/12	JL	SM 5310C
Total Suspended Solids	< 5.0	5.0	mg/L	08/09/12	KG/NL	SM2540D
Filtration	Completed			08/08/12	AG	0.45um Filter
Dissolved Metals Preparation	Completed			08/08/12	AG	SW846-3005
Tot. Org. Halogens	0.018	0.010	ug/L	08/10/12	*	SW9020

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,2-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	08/09/12	H/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Hexanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Acetone	ND	25	ug/L	08/09/12	H/T	SW8260
Acrylonitrile	ND	5.0	ug/L	08/09/12	H/T	SW8260
Benzene	ND	0.70	ug/L	08/09/12	H/T	SW8260
Bromobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromochloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Bromoform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	08/09/12	H/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Ethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	08/09/12	H/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
m&p-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methylene chloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Naphthalene	ND	1.0	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
n-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
o-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Styrene	ND	1.0	ug/L	08/09/12	H/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	08/09/12	H/T	SW8260
Toluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Total Xylenes	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	08/09/12	H/T	SW8260
Trichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Vinyl chloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	103		%	08/09/12	H/T	70 - 130 %
% Bromofluorobenzene	88		%	08/09/12	H/T	70 - 130 %
% Dibromofluoromethane	117		%	08/09/12	H/T	70 - 130 %
% Toluene-d8	102		%	08/09/12	H/T	70 - 130 %

S = This parameter is subcontracted.

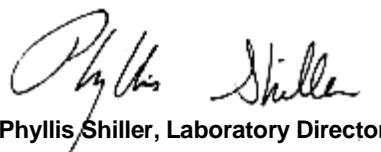
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.
 * TOX analyzed by CT certified lab #PH-0520. CT does not certify for this parameter.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

August 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 17, 2012

FOR: Attn: Mr Phil Rydel
VHB, Inc.
54 Tuttle Place
Middletown CT 06457

Sample Information

Matrix: GROUND WATER
Location Code: VHB-ENLF
Rush Request: Standard
P.O. #:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

Time

08/07/12 13:30
08/08/12 15:47

Project ID: ENVIRITE LANDFILL-THOMASTON
Client ID: MW-36

Laboratory Data

SDG ID: GBC51751

Phoenix ID: BC51754

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Barium (Dissolved)	0.048	0.002	mg/L	08/11/12	LK	SW6010
Cadmium (Dissolved)	0.005	0.001	mg/L	08/11/12	LK	SW6010
Chromium (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Copper (Dissolved)	< 0.005	0.005	mg/L	08/11/12	LK	SW6010
Iron (Dissolved)	0.054	0.011	mg/L	08/11/12	LK	SW6010
Manganese (Dissolved)	0.182	0.001	mg/L	08/11/12	LK	SW6010
Sodium (Dissolved)	35.7	0.11	mg/L	08/11/12	LK	SW6010
Nickel (Dissolved)	0.004	0.001	mg/L	08/11/12	LK	SW6010
Zinc (Dissolved)	0.042	0.002	mg/L	08/11/12	LK	SW6010
Chloride	60.2	3.0	mg/L	08/09/12	bs/eg	300.0
Conductivity	306	5	umhos/cm	08/09/12	BS/KDB	SM2510B
Ammonia as Nitrogen	0.03	0.02	mg/L	08/09/12	WHM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	08/09/12 00:52	bs/eg	300.0
Nitrate as Nitrogen	0.27	0.05	mg/L	08/09/12 00:52	bs/eg	300.0
Phenolics	< 0.015	0.015	mg/L	08/09/12	GD	E420.4
pH	6.82	0.10	pH Units	08/09/12 03:12	BS/KDB	4500-H B/9040
Sulfate	26.7	3.0	mg/L	08/09/12	bs/eg	300.0
Total Cyanide	< 0.01	0.01	mg/L	08/08/12	O/GD	335.4/9010
Tot. Diss. Solids	180	10	mg/L	08/09/12	KG/KDB	SM2540C
Total Organic Carbon	1.2	1.0	mg/L	08/13/12	JL	SM 5310C
Total Suspended Solids	< 5.0	5.0	mg/L	08/09/12	KG/NL	SM2540D
Filtration	Completed			08/08/12	AG	0.45um Filter
Dissolved Metals Preparation	Completed			08/08/12	AG	SW846-3005
Tot. Org. Halogens	0.022	0.010	ug/L	08/10/12	*	SW9020

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,2-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	08/09/12	H/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Hexanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Acetone	ND	25	ug/L	08/09/12	H/T	SW8260
Acrylonitrile	ND	5.0	ug/L	08/09/12	H/T	SW8260
Benzene	ND	0.70	ug/L	08/09/12	H/T	SW8260
Bromobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromochloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Bromoform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	08/09/12	H/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Ethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	08/09/12	H/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
m&p-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methylene chloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Naphthalene	ND	1.0	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
n-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
o-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Styrene	ND	1.0	ug/L	08/09/12	H/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	08/09/12	H/T	SW8260
Toluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Total Xylenes	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	08/09/12	H/T	SW8260
Trichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Vinyl chloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	103		%	08/09/12	H/T	70 - 130 %
% Bromofluorobenzene	90		%	08/09/12	H/T	70 - 130 %
% Dibromofluoromethane	110		%	08/09/12	H/T	70 - 130 %
% Toluene-d8	101		%	08/09/12	H/T	70 - 130 %

S = This parameter is subcontracted.

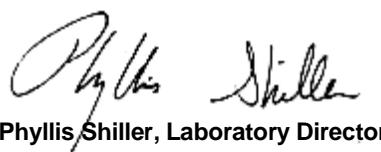
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.
 * TOX analyzed by CT certified lab #PH-0520. CT does not certify for this parameter.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

August 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 17, 2012

FOR: Attn: Mr Phil Rydel
VHB, Inc.
54 Tuttle Place
Middletown CT 06457

Sample Information

Matrix: GROUND WATER
Location Code: VHB-ENLF
Rush Request: Standard
P.O. #:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

Time

08/07/12 9:30
08/08/12 15:47

Laboratory Data

SDG ID: GBC51751

Phoenix ID: BC51755

Project ID: ENVIRITE LANDFILL-THOMASTON
Client ID: MW-41S

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Barium (Dissolved)	0.116	0.002	mg/L	08/11/12	LK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Chromium (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Copper (Dissolved)	< 0.005	0.005	mg/L	08/11/12	LK	SW6010
Iron (Dissolved)	0.197	0.011	mg/L	08/11/12	LK	SW6010
Manganese (Dissolved)	0.064	0.001	mg/L	08/11/12	LK	SW6010
Sodium (Dissolved)	47.5	0.11	mg/L	08/11/12	LK	SW6010
Nickel (Dissolved)	0.005	0.001	mg/L	08/11/12	LK	SW6010
Zinc (Dissolved)	0.090	0.002	mg/L	08/11/12	LK	SW6010
Chloride	84.1	3.0	mg/L	08/09/12	bs/eg	300.0
Conductivity	547	5	umhos/cm	08/09/12	BS/KDB	SM2510B
Ammonia as Nitrogen	0.05	0.02	mg/L	08/09/12	WHM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	08/09/12 01:01	bs/eg	300.0
Nitrate as Nitrogen	6.70	0.05	mg/L	08/09/12 01:01	bs/eg	300.0
Phenolics	< 0.015	0.015	mg/L	08/09/12	GD	E420.4
pH	6.59	0.10	pH Units	08/09/12 03:21	BS/KDB	4500-H B/9040
Sulfate	82.9	3.0	mg/L	08/09/12	bs/eg	300.0
Total Cyanide	< 0.01	0.01	mg/L	08/08/12	O/GD	335.4/9010
Tot. Diss. Solids	330	10	mg/L	08/09/12	KG/KDB	SM2540C
Total Organic Carbon	4.2	2.0	mg/L	08/13/12	JL	SM 5310C
Total Suspended Solids	320	5.0	mg/L	08/09/12	KG/NL	SM2540D
Filtration	Completed			08/08/12	AG	0.45um Filter
Dissolved Metals Preparation	Completed			08/08/12	AG	SW846-3005
Tot. Org. Halogens	0.045	0.010	ug/L	08/10/12	*	SW9020

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,2-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	08/09/12	H/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Hexanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Acetone	ND	25	ug/L	08/09/12	H/T	SW8260
Acrylonitrile	ND	5.0	ug/L	08/09/12	H/T	SW8260
Benzene	ND	0.70	ug/L	08/09/12	H/T	SW8260
Bromobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromochloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Bromoform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	08/09/12	H/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
cis-1,2-Dichloroethene	34	5.0	ug/L	08/09/12	H/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Ethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	08/09/12	H/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
m&p-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methylene chloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Naphthalene	ND	1.0	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
n-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
o-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Styrene	ND	1.0	ug/L	08/09/12	H/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Tetrachloroethene	10	1.0	ug/L	08/09/12	H/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	08/09/12	H/T	SW8260
Toluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Total Xylenes	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	08/09/12	H/T	SW8260
Trichloroethene	17	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Vinyl chloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	104		%	08/09/12	H/T	70 - 130 %
% Bromofluorobenzene	88		%	08/09/12	H/T	70 - 130 %
% Dibromofluoromethane	123		%	08/09/12	H/T	70 - 130 %
% Toluene-d8	97		%	08/09/12	H/T	70 - 130 %

S = This parameter is subcontracted.

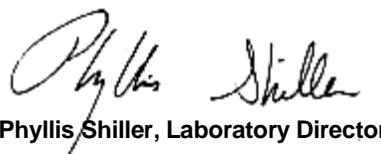
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.
 * TOX analyzed by CT certified lab #PH-0520. CT does not certify for this parameter.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

August 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 17, 2012

FOR: Attn: Mr Phil Rydel
VHB, Inc.
54 Tuttle Place
Middletown CT 06457

Sample Information

Matrix: GROUND WATER
Location Code: VHB-ENLF
Rush Request: Standard
P.O. #:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

Time

08/07/12

9:10

08/08/12

15:47

Laboratory Data

SDG ID: GBC51751

Phoenix ID: BC51756

Project ID: ENVIRITE LANDFILL-THOMASTON
Client ID: MW-41D

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Barium (Dissolved)	0.093	0.002	mg/L	08/11/12	LK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Chromium (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Copper (Dissolved)	< 0.005	0.005	mg/L	08/11/12	LK	SW6010
Iron (Dissolved)	0.028	0.011	mg/L	08/11/12	LK	SW6010
Manganese (Dissolved)	1.45	0.001	mg/L	08/11/12	LK	SW6010
Sodium (Dissolved)	56.9	0.11	mg/L	08/11/12	LK	SW6010
Nickel (Dissolved)	0.003	0.001	mg/L	08/11/12	LK	SW6010
Zinc (Dissolved)	0.005	0.002	mg/L	08/11/12	LK	SW6010
Chloride	90.5	6.0	mg/L	08/10/12	BS/EG	300.0
Conductivity	708	5	umhos/cm	08/09/12	BS/KDB	SM2510B
Ammonia as Nitrogen	0.05	0.02	mg/L	08/09/12	WHM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	08/09/12 01:10	bs/eg	300.0
Nitrate as Nitrogen	7.81	0.10	mg/L	08/10/12 11:30	BS/EG	300.0
Phenolics	< 0.015	0.015	mg/L	08/09/12	GD	E420.4
pH	6.72	0.10	pH Units	08/09/12 03:24	BS/KDB	4500-H B/9040
Sulfate	156	6.0	mg/L	08/10/12	BS/EG	300.0
Total Cyanide	< 0.01	0.01	mg/L	08/10/12	O/GD	335.4/9010
Tot. Diss. Solids	450	10	mg/L	08/09/12	KG/KDB	SM2540C
Total Organic Carbon	1.6	1.0	mg/L	08/13/12	JL	SM 5310C
Total Suspended Solids	55	5.0	mg/L	08/09/12	KG/NL	SM2540D
Filtration	Completed			08/08/12	AG	0.45um Filter
Dissolved Metals Preparation	Completed			08/08/12	AG	SW846-3005
Tot. Org. Halogens	<0.010	0.010	ug/L	08/10/12	*	SW9020

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,2-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	08/09/12	H/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Hexanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Acetone	ND	25	ug/L	08/09/12	H/T	SW8260
Acrylonitrile	ND	5.0	ug/L	08/09/12	H/T	SW8260
Benzene	ND	0.70	ug/L	08/09/12	H/T	SW8260
Bromobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromochloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Bromoform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	08/09/12	H/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
cis-1,2-Dichloroethene	58	10.0	ug/L	08/09/12	H/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Ethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	08/09/12	H/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
m&p-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methylene chloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Naphthalene	ND	1.0	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
n-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
o-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Styrene	ND	1.0	ug/L	08/09/12	H/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Tetrachloroethene	13	1.0	ug/L	08/09/12	H/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	08/09/12	H/T	SW8260
Toluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Total Xylenes	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	08/09/12	H/T	SW8260
Trichloroethene	25	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Vinyl chloride	1.2	1.0	ug/L	08/09/12	H/T	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	105		%	08/09/12	H/T	70 - 130 %
% Bromofluorobenzene	99		%	08/09/12	H/T	70 - 130 %
% Dibromofluoromethane	106		%	08/09/12	H/T	70 - 130 %
% Toluene-d8	101		%	08/09/12	H/T	70 - 130 %

S = This parameter is subcontracted.

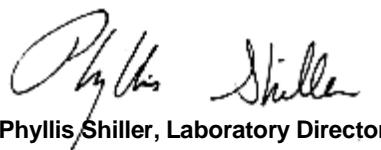
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.
 * TOX analyzed by CT certified lab #PH-0520. CT does not certify for this parameter.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

August 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 17, 2012

FOR: Attn: Mr Phil Rydel
VHB, Inc.
54 Tuttle Place
Middletown CT 06457

Sample Information

Matrix: GROUND WATER
Location Code: VHB-ENLF
Rush Request: Standard
P.O. #:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

Time

08/07/12 9:20
08/08/12 15:47

Laboratory Data

SDG ID: GBC51751

Phoenix ID: BC51757

Project ID: ENVIRITE LANDFILL-THOMASTON
Client ID: MW-41B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Barium (Dissolved)	0.056	0.002	mg/L	08/11/12	LK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Chromium (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Copper (Dissolved)	< 0.005	0.005	mg/L	08/11/12	LK	SW6010
Iron (Dissolved)	< 0.011	0.011	mg/L	08/11/12	LK	SW6010
Manganese (Dissolved)	0.016	0.001	mg/L	08/11/12	LK	SW6010
Sodium (Dissolved)	42.9	0.11	mg/L	08/11/12	LK	SW6010
Nickel (Dissolved)	0.004	0.001	mg/L	08/11/12	LK	SW6010
Zinc (Dissolved)	0.011	0.002	mg/L	08/11/12	LK	SW6010
Chloride	134	15	mg/L	08/10/12	BS/EG	300.0
Conductivity	1180	5	umhos/cm	08/09/12	BS/KDB	SM2510B
Ammonia as Nitrogen	0.04	0.02	mg/L	08/09/12	WHM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	08/09/12 01:19	bs/eg	300.0
Nitrate as Nitrogen	16.8	0.25	mg/L	08/10/12 12:25	BS/EG	300.0
Phenolics	< 0.015	0.015	mg/L	08/09/12	GD	E420.4
pH	7.46	0.10	pH Units	08/09/12 03:27	BS/KDB	4500-H B/9040
Sulfate	343	15	mg/L	08/10/12	BS/EG	300.0
Total Cyanide	< 0.01	0.01	mg/L	08/10/12	O/GD	335.4/9010
Tot. Diss. Solids	1000	10	mg/L	08/09/12	KG/KDB	SM2540C
Total Organic Carbon	1.2	1.0	mg/L	08/13/12	JL	SM 5310C
Total Suspended Solids	24	5.0	mg/L	08/09/12	KG/NL	SM2540D
Filtration	Completed			08/08/12	AG	0.45um Filter
Dissolved Metals Preparation	Completed			08/08/12	AG	SW846-3005
Tot. Org. Halogens	0.052	0.010	ug/L	08/10/12	*	SW9020

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,2-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	08/09/12	H/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Hexanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Acetone	ND	25	ug/L	08/09/12	H/T	SW8260
Acrylonitrile	ND	5.0	ug/L	08/09/12	H/T	SW8260
Benzene	ND	0.70	ug/L	08/09/12	H/T	SW8260
Bromobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromochloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Bromoform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	08/09/12	H/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
cis-1,2-Dichloroethene	65	10.0	ug/L	08/09/12	H/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Ethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	08/09/12	H/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
m&p-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methylene chloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Naphthalene	ND	1.0	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
n-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
o-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Styrene	ND	1.0	ug/L	08/09/12	H/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Tetrachloroethene	6.2	1.0	ug/L	08/09/12	H/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	08/09/12	H/T	SW8260
Toluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Total Xylenes	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	08/09/12	H/T	SW8260
Trichloroethene	25	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Vinyl chloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	100		%	08/09/12	H/T	70 - 130 %
% Bromofluorobenzene	91		%	08/09/12	H/T	70 - 130 %
% Dibromofluoromethane	109		%	08/09/12	H/T	70 - 130 %
% Toluene-d8	95		%	08/09/12	H/T	70 - 130 %

S = This parameter is subcontracted.

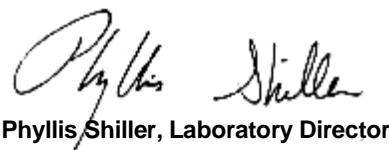
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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 * TOX analyzed by CT certified lab #PH-0520. CT does not certify for this parameter.

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Phyllis Shiller, Laboratory Director

August 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 17, 2012

FOR: Attn: Mr Phil Rydel
VHB, Inc.
54 Tuttle Place
Middletown CT 06457

Sample Information

Matrix: GROUND WATER
Location Code: VHB-ENLF
Rush Request: Standard
P.O. #:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date 08/07/12 Time 10:40

Date 08/08/12 Time 15:47

Project ID: ENVIRITE LANDFILL-THOMASTON
Client ID: MW-42S

Laboratory Data

SDG ID: GBC51751

Phoenix ID: BC51758

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Barium (Dissolved)	0.100	0.002	mg/L	08/11/12	LK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Chromium (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Copper (Dissolved)	0.027	0.005	mg/L	08/11/12	LK	SW6010
Iron (Dissolved)	0.015	0.011	mg/L	08/11/12	LK	SW6010
Manganese (Dissolved)	0.004	0.001	mg/L	08/11/12	LK	SW6010
Sodium (Dissolved)	61.8	0.11	mg/L	08/11/12	LK	SW6010
Nickel (Dissolved)	0.056	0.001	mg/L	08/11/12	LK	SW6010
Zinc (Dissolved)	0.135	0.002	mg/L	08/11/12	LK	SW6010
Chloride	123	15	mg/L	08/10/12	BS/EG	300.0
Conductivity	907	5	umhos/cm	08/09/12	BS/KDB	SM2510B
Ammonia as Nitrogen	0.02	0.02	mg/L	08/09/12	WHM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	08/09/12 01:28	bs/eg	300.0
Nitrate as Nitrogen	15.4	0.25	mg/L	08/10/12 12:34	BS/EG	300.0
Phenolics	< 0.015	0.015	mg/L	08/09/12	GD	E420.4
pH	6.82	0.10	pH Units	08/09/12 03:30	BS/KDB	4500-H B/9040
Sulfate	198	15	mg/L	08/10/12	BS/EG	300.0
Total Cyanide	< 0.01	0.01	mg/L	08/10/12	O/GD	335.4/9010
Tot. Diss. Solids	610	10	mg/L	08/09/12	KG/KDB	SM2540C
Total Organic Carbon	1.7	1.0	mg/L	08/13/12	JL	SM 5310C
Total Suspended Solids	48	5.0	mg/L	08/09/12	KG/NL	SM2540D
Filtration	Completed			08/08/12	AG	0.45um Filter
Dissolved Metals Preparation	Completed			08/08/12	AG	SW846-3005
Tot. Org. Halogens	0.024	0.010	ug/L	08/10/12	*	SW9020

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	08/15/12	R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	08/15/12	R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	08/15/12	R/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,2-Trichloroethane	ND	1.0	ug/L	08/15/12	R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	08/15/12	R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	08/15/12	R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	08/15/12	R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	08/15/12	R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	08/15/12	R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	08/15/12	R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	08/15/12	R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	08/15/12	R/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	08/15/12	R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	08/15/12	R/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	08/15/12	R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	08/15/12	R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	08/15/12	R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	08/15/12	R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	08/15/12	R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	08/15/12	R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	08/15/12	R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	08/15/12	R/T	SW8260
2-Hexanone	ND	5.0	ug/L	08/15/12	R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	08/15/12	R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	08/15/12	R/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	08/15/12	R/T	SW8260
Acetone	ND	25	ug/L	08/15/12	R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	08/15/12	R/T	SW8260
Benzene	ND	0.70	ug/L	08/15/12	R/T	SW8260
Bromobenzene	ND	1.0	ug/L	08/15/12	R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	08/15/12	R/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	08/15/12	R/T	SW8260
Bromoform	ND	1.0	ug/L	08/15/12	R/T	SW8260
Bromomethane	ND	1.0	ug/L	08/15/12	R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	08/15/12	R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	08/15/12	R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	08/15/12	R/T	SW8260
Chloroethane	ND	1.0	ug/L	08/15/12	R/T	SW8260
Chloroform	ND	1.0	ug/L	08/15/12	R/T	SW8260
Chloromethane	ND	1.0	ug/L	08/15/12	R/T	SW8260
cis-1,2-Dichloroethene	8.7	1.0	ug/L	08/15/12	R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	08/15/12	R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	08/15/12	R/T	SW8260
Dibromomethane	ND	1.0	ug/L	08/15/12	R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	08/15/12	R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	08/15/12	R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	08/15/12	R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	08/15/12	R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	08/15/12	R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	08/15/12	R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	08/15/12	R/T	SW8260
Methylene chloride	ND	1.0	ug/L	08/15/12	R/T	SW8260
Naphthalene	ND	1.0	ug/L	08/15/12	R/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
n-Butylbenzene	ND	1.0	ug/L	08/15/12	R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	08/15/12	R/T	SW8260
o-Xylene	ND	1.0	ug/L	08/15/12	R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	08/15/12	R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	08/15/12	R/T	SW8260
Styrene	ND	1.0	ug/L	08/15/12	R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	08/15/12	R/T	SW8260
Tetrachloroethene	11	1.0	ug/L	08/15/12	R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	08/15/12	R/T	SW8260
Toluene	ND	1.0	ug/L	08/15/12	R/T	SW8260
Total Xylenes	ND	1.0	ug/L	08/15/12	R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	08/15/12	R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	08/15/12	R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	08/15/12	R/T	SW8260
Trichloroethene	12	1.0	ug/L	08/15/12	R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	08/15/12	R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	08/15/12	R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	08/15/12	R/T	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	102		%	08/15/12	R/T	70 - 130 %
% Bromofluorobenzene	92		%	08/15/12	R/T	70 - 130 %
% Dibromofluoromethane	99		%	08/15/12	R/T	70 - 130 %
% Toluene-d8	97		%	08/15/12	R/T	70 - 130 %

S = This parameter is subcontracted.

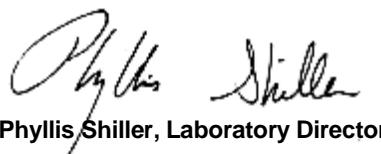
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.
 * TOX analyzed by CT certified lab #PH-0520. CT does not certify for this parameter.

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Phyllis Shiller, Laboratory Director

August 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 17, 2012

FOR: Attn: Mr Phil Rydel
VHB, Inc.
54 Tuttle Place
Middletown CT 06457

Sample Information

Matrix: GROUND WATER
Location Code: VHB-ENLF
Rush Request: Standard
P.O. #:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date 08/07/12 Time 10:15

Date 08/08/12 Time 15:47

Project ID: ENVIRITE LANDFILL-THOMASTON
Client ID: MW-42S DUP

Laboratory Data

SDG ID: GBC51751

Phoenix ID: BC51759

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Barium (Dissolved)	0.099	0.002	mg/L	08/11/12	LK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Chromium (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Copper (Dissolved)	0.027	0.005	mg/L	08/11/12	LK	SW6010
Iron (Dissolved)	< 0.011	0.011	mg/L	08/11/12	LK	SW6010
Manganese (Dissolved)	0.004	0.001	mg/L	08/11/12	LK	SW6010
Sodium (Dissolved)	61.7	0.11	mg/L	08/11/12	LK	SW6010
Nickel (Dissolved)	0.053	0.001	mg/L	08/11/12	LK	SW6010
Zinc (Dissolved)	0.134	0.002	mg/L	08/11/12	LK	SW6010
Chloride	123	15	mg/L	08/10/12	BS/EG	300.0
Conductivity	907	5	umhos/cm	08/09/12	BS/KDB	SM2510B
Ammonia as Nitrogen	0.05	0.02	mg/L	08/09/12	WHM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	08/09/12 01:38	bs/eg	300.0
Nitrate as Nitrogen	15.4	0.25	mg/L	08/10/12 12:43	BS/EG	300.0
Phenolics	< 0.015	0.015	mg/L	08/09/12	GD	E420.4
pH	6.86	0.10	pH Units	08/09/12 03:33	BS/KDB	4500-H B/9040
Sulfate	199	15	mg/L	08/10/12	BS/EG	300.0
Total Cyanide	< 0.01	0.01	mg/L	08/10/12	O/GD	335.4/9010
Tot. Diss. Solids	610	10	mg/L	08/09/12	KG/KDB	SM2540C
Total Organic Carbon	1.6	1.0	mg/L	08/14/12	JL	SM 5310C
Total Suspended Solids	39	5.0	mg/L	08/09/12	KG/NL	SM2540D
Filtration	Completed			08/08/12	AG	0.45um Filter
Dissolved Metals Preparation	Completed			08/08/12	AG	SW846-3005
Tot. Org. Halogens	0.022	0.010	ug/L	08/10/12	*	SW9020
<hr/>						
Volatiles						
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,2-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	08/09/12	H/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Hexanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Acetone	ND	25	ug/L	08/09/12	H/T	SW8260
Acrylonitrile	ND	5.0	ug/L	08/09/12	H/T	SW8260
Benzene	ND	0.70	ug/L	08/09/12	H/T	SW8260
Bromobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromochloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Bromoform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	08/09/12	H/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
cis-1,2-Dichloroethene	9.9	1.0	ug/L	08/09/12	H/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Ethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	08/09/12	H/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
m&p-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methylene chloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Naphthalene	ND	1.0	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
n-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
o-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Styrene	ND	1.0	ug/L	08/09/12	H/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Tetrachloroethene	10	1.0	ug/L	08/09/12	H/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	08/09/12	H/T	SW8260
Toluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Total Xylenes	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	08/09/12	H/T	SW8260
Trichloroethene	11	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Vinyl chloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	101		%	08/09/12	H/T	70 - 130 %
% Bromofluorobenzene	92		%	08/09/12	H/T	70 - 130 %
% Dibromofluoromethane	107		%	08/09/12	H/T	70 - 130 %
% Toluene-d8	98		%	08/09/12	H/T	70 - 130 %

S = This parameter is subcontracted.

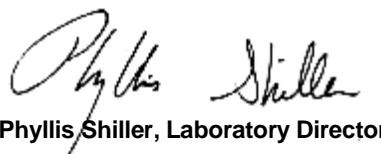
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.
 * TOX analyzed by CT certified lab #PH-0520. CT does not certify for this parameter.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

August 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 17, 2012

FOR: Attn: Mr Phil Rydel
VHB, Inc.
54 Tuttle Place
Middletown CT 06457

Sample Information

Matrix: GROUND WATER
Location Code: VHB-ENLF
Rush Request: Standard
P.O. #:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time

08/07/12 10:45
08/08/12 15:47

Project ID: ENVIRITE LANDFILL-THOMASTON
Client ID: MW-43S

Laboratory Data

SDG ID: GBC51751

Phoenix ID: BC51760

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Barium (Dissolved)	0.029	0.002	mg/L	08/11/12	LK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Chromium (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Copper (Dissolved)	0.022	0.005	mg/L	08/11/12	LK	SW6010
Iron (Dissolved)	0.012	0.011	mg/L	08/11/12	LK	SW6010
Manganese (Dissolved)	0.245	0.001	mg/L	08/11/12	LK	SW6010
Sodium (Dissolved)	172	1.1	mg/L	08/14/12	LK	SW6010
Nickel (Dissolved)	0.020	0.001	mg/L	08/11/12	LK	SW6010
Zinc (Dissolved)	0.023	0.002	mg/L	08/11/12	LK	SW6010
Chloride	292	30	mg/L	08/10/12	BS/EG	300.0
Conductivity	1860	5	umhos/cm	08/09/12	BS/KDB	SM2510B
Ammonia as Nitrogen	0.04	0.02	mg/L	08/09/12	WHM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	08/09/12 01:47	bs/eg	300.0
Nitrate as Nitrogen	36.2	0.50	mg/L	08/10/12 12:52	BS/EG	300.0
Phenolics	< 0.015	0.015	mg/L	08/09/12	GD	E420.4
pH	6.73	0.10	pH Units	08/09/12 03:36	BS/KDB	4500-H B/9040
Sulfate	383	30	mg/L	08/10/12	BS/EG	300.0
Total Cyanide	< 0.01	0.01	mg/L	08/10/12	O/GD	335.4/9010
Tot. Diss. Solids	1300	10	mg/L	08/09/12	KG/KDB	SM2540C
Total Organic Carbon	2.2	1.0	mg/L	08/13/12	JL	SM 5310C
Total Suspended Solids	43	5.0	mg/L	08/09/12	KG/NL	SM2540D
Filtration	Completed			08/08/12	AG	0.45um Filter
Dissolved Metals Preparation	Completed			08/08/12	AG	SW846-3005
Tot. Org. Halogens	0.074	0.010	ug/L	08/10/12	*	SW9020

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,2-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	08/09/12	H/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Hexanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Acetone	ND	25	ug/L	08/09/12	H/T	SW8260
Acrylonitrile	ND	5.0	ug/L	08/09/12	H/T	SW8260
Benzene	ND	0.70	ug/L	08/09/12	H/T	SW8260
Bromobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromochloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Bromoform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	08/09/12	H/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
cis-1,2-Dichloroethene	38	10.0	ug/L	08/09/12	H/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Ethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	08/09/12	H/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
m&p-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methylene chloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Naphthalene	ND	1.0	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
n-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
o-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Styrene	ND	1.0	ug/L	08/09/12	H/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Tetrachloroethene	20	10.0	ug/L	08/09/12	H/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	08/09/12	H/T	SW8260
Toluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Total Xylenes	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	08/09/12	H/T	SW8260
Trichloroethene	24	10.0	ug/L	08/09/12	H/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Vinyl chloride	2.4	1.0	ug/L	08/09/12	H/T	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	103		%	08/09/12	H/T	70 - 130 %
% Bromofluorobenzene	88		%	08/09/12	H/T	70 - 130 %
% Dibromofluoromethane	119		%	08/09/12	H/T	70 - 130 %
% Toluene-d8	95		%	08/09/12	H/T	70 - 130 %

S = This parameter is subcontracted.

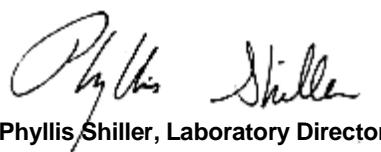
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.
 * TOX analyzed by CT certified lab #PH-0520. CT does not certify for this parameter.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

August 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 17, 2012

FOR: Attn: Mr Phil Rydel
VHB, Inc.
54 Tuttle Place
Middletown CT 06457

Sample Information

Matrix: GROUND WATER
Location Code: VHB-ENLF
Rush Request: Standard
P.O. #:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

Time

08/07/12 10:50

08/08/12 15:47

Laboratory Data

SDG ID: GBC51751

Phoenix ID: BC51761

Project ID: ENVIRITE LANDFILL-THOMASTON

Client ID: MW-43D

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Barium (Dissolved)	0.014	0.002	mg/L	08/11/12	LK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Chromium (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Copper (Dissolved)	0.281	0.005	mg/L	08/11/12	LK	SW6010
Iron (Dissolved)	< 0.011	0.011	mg/L	08/11/12	LK	SW6010
Manganese (Dissolved)	0.580	0.001	mg/L	08/11/12	LK	SW6010
Sodium (Dissolved)	97.1	1.1	mg/L	08/14/12	LK	SW6010
Nickel (Dissolved)	0.074	0.001	mg/L	08/11/12	LK	SW6010
Zinc (Dissolved)	0.229	0.002	mg/L	08/11/12	LK	SW6010
Chloride	128	15	mg/L	08/10/12	BS/EG	300.0
Conductivity	830	5	umhos/cm	08/09/12	BS/KDB	SM2510B
Ammonia as Nitrogen	1.03	0.02	mg/L	08/09/12	WHM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	08/09/12 01:56	bs/eg	300.0
Nitrate as Nitrogen	9.84	0.25	mg/L	08/10/12 13:01	BS/EG	300.0
Phenolics	< 0.015	0.015	mg/L	08/09/12	GD	E420.4
pH	6.30	0.10	pH Units	08/09/12 03:39	BS/KDB	4500-H B/9040
Sulfate	139	15	mg/L	08/10/12	BS/EG	300.0
Total Cyanide	< 0.01	0.01	mg/L	08/10/12	O/GD	335.4/9010
Tot. Diss. Solids	500	10	mg/L	08/09/12	KG/KDB	SM2540C
Total Organic Carbon	1.1	1.0	mg/L	08/14/12	JL	SM 5310C
Total Suspended Solids	8.0	5.0	mg/L	08/09/12	KG/NL	SM2540D
Filtration	Completed			08/08/12	AG	0.45um Filter
Dissolved Metals Preparation	Completed			08/08/12	AG	SW846-3005
Tot. Org. Halogens	0.049	0.010	ug/L	08/10/12	*	SW9020
						s

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,2-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	08/09/12	H/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Hexanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Acetone	ND	25	ug/L	08/09/12	H/T	SW8260
Acrylonitrile	ND	5.0	ug/L	08/09/12	H/T	SW8260
Benzene	ND	0.70	ug/L	08/09/12	H/T	SW8260
Bromobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromochloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Bromoform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	08/09/12	H/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
cis-1,2-Dichloroethene	27	1.0	ug/L	08/09/12	H/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Ethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	08/09/12	H/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
m&p-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methylene chloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Naphthalene	ND	1.0	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
n-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
o-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Styrene	ND	1.0	ug/L	08/09/12	H/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Tetrachloroethene	9.9	1.0	ug/L	08/09/12	H/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	08/09/12	H/T	SW8260
Toluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Total Xylenes	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	08/09/12	H/T	SW8260
Trichloroethene	18	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Vinyl chloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	102		%	08/09/12	H/T	70 - 130 %
% Bromofluorobenzene	89		%	08/09/12	H/T	70 - 130 %
% Dibromofluoromethane	119		%	08/09/12	H/T	70 - 130 %
% Toluene-d8	95		%	08/09/12	H/T	70 - 130 %

S = This parameter is subcontracted.

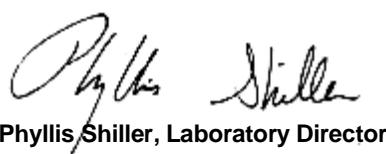
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.
 * TOX analyzed by CT certified lab #PH-0520. CT does not certify for this parameter.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
 August 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 17, 2012

FOR: Attn: Mr Phil Rydel
VHB, Inc.
54 Tuttle Place
Middletown CT 06457

Sample Information

Matrix: GROUND WATER
Location Code: VHB-ENLF
Rush Request: Standard
P.O. #:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

Time

08/07/12

11:30

08/08/12

15:47

Project ID: ENVIRITE LANDFILL-THOMASTON
Client ID: MW-44D

Laboratory Data

SDG ID: GBC51751

Phoenix ID: BC51762

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Barium (Dissolved)	0.023	0.002	mg/L	08/11/12	LK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Chromium (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Copper (Dissolved)	< 0.005	0.005	mg/L	08/11/12	LK	SW6010
Iron (Dissolved)	< 0.011	0.011	mg/L	08/11/12	LK	SW6010
Manganese (Dissolved)	0.002	0.001	mg/L	08/11/12	LK	SW6010
Sodium (Dissolved)	41.3	0.11	mg/L	08/11/12	LK	SW6010
Nickel (Dissolved)	0.002	0.001	mg/L	08/11/12	LK	SW6010
Zinc (Dissolved)	0.011	0.002	mg/L	08/11/12	LK	SW6010
Chloride	67.5	3.0	mg/L	08/09/12	bs/eg	300.0
Conductivity	388	5	umhos/cm	08/09/12	BS/KDB	SM2510B
Ammonia as Nitrogen	0.02	0.02	mg/L	08/09/12	WHM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	08/09/12 02:05	bs/eg	300.0
Nitrate as Nitrogen	1.39	0.05	mg/L	08/09/12 02:05	bs/eg	300.0
Phenolics	< 0.015	0.015	mg/L	08/09/12	GD	E420.4
pH	6.99	0.10	pH Units	08/09/12 03:42	BS/KDB	4500-H B/9040
Sulfate	35.4	3.0	mg/L	08/09/12	bs/eg	300.0
Total Cyanide	< 0.01	0.01	mg/L	08/10/12	O/GD	335.4/9010
Tot. Diss. Solids	230	10	mg/L	08/09/12	KG/KDB	SM2540C
Total Organic Carbon	< 1.0	1.0	mg/L	08/13/12	JL	SM 5310C
Total Suspended Solids	8.0	5.0	mg/L	08/09/12	KG/NL	SM2540D
Filtration	Completed			08/08/12	AG	0.45um Filter
Dissolved Metals Preparation	Completed			08/08/12	AG	SW846-3005
Tot. Org. Halogens	0.020	0.010	ug/L	08/10/12	*	SW9020

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,2-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	08/09/12	H/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Hexanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Acetone	ND	25	ug/L	08/09/12	H/T	SW8260
Acrylonitrile	ND	5.0	ug/L	08/09/12	H/T	SW8260
Benzene	ND	0.70	ug/L	08/09/12	H/T	SW8260
Bromobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromochloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Bromoform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	08/09/12	H/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
cis-1,2-Dichloroethene	3.6	1.0	ug/L	08/09/12	H/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Ethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	08/09/12	H/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
m&p-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methylene chloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Naphthalene	ND	1.0	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
n-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
o-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Styrene	ND	1.0	ug/L	08/09/12	H/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Tetrachloroethene	4.8	1.0	ug/L	08/09/12	H/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	08/09/12	H/T	SW8260
Toluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Total Xylenes	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	08/09/12	H/T	SW8260
Trichloroethene	5.0	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Vinyl chloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	103		%	08/09/12	H/T	70 - 130 %
% Bromofluorobenzene	89		%	08/09/12	H/T	70 - 130 %
% Dibromofluoromethane	113		%	08/09/12	H/T	70 - 130 %
% Toluene-d8	100		%	08/09/12	H/T	70 - 130 %

S = This parameter is subcontracted.

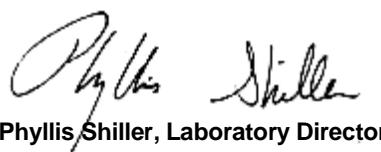
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.
 * TOX analyzed by CT certified lab #PH-0520. CT does not certify for this parameter.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

August 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 17, 2012

FOR: Attn: Mr Phil Rydel
VHB, Inc.
54 Tuttle Place
Middletown CT 06457

Sample Information

Matrix: GROUND WATER
Location Code: VHB-ENLF
Rush Request: Standard
P.O. #:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

Time

08/07/12 11:50

08/08/12 15:47

SDG ID: GBC51751

Phoenix ID: BC51763

Laboratory Data

Project ID: ENVIRITE LANDFILL-THOMASTON
Client ID: MW-44B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Barium (Dissolved)	0.012	0.002	mg/L	08/11/12	LK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Chromium (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Copper (Dissolved)	< 0.005	0.005	mg/L	08/11/12	LK	SW6010
Iron (Dissolved)	< 0.011	0.011	mg/L	08/11/12	LK	SW6010
Manganese (Dissolved)	0.361	0.001	mg/L	08/11/12	LK	SW6010
Sodium (Dissolved)	105	1.1	mg/L	08/14/12	LK	SW6010
Nickel (Dissolved)	0.026	0.001	mg/L	08/11/12	LK	SW6010
Zinc (Dissolved)	0.053	0.002	mg/L	08/11/12	LK	SW6010
Chloride	121	15	mg/L	08/10/12	BS/EG	300.0
Conductivity	824	5	umhos/cm	08/09/12	BS/KDB	SM2510B
Ammonia as Nitrogen	0.08	0.02	mg/L	08/09/12	WHM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	08/09/12 04:32	bs/eg	300.0
Nitrate as Nitrogen	10.5	0.25	mg/L	08/10/12 13:10	BS/EG	300.0
Phenolics	< 0.015	0.015	mg/L	08/09/12	GD	E420.4
pH	6.80	0.10	pH Units	08/09/12 03:45	BS/KDB	4500-H B/9040
Sulfate	121	15	mg/L	08/10/12	BS/EG	300.0
Total Cyanide	< 0.01	0.01	mg/L	08/10/12	O/GD	335.4/9010
Tot. Diss. Solids	500	10	mg/L	08/09/12	KG/KDB	SM2540C
Total Organic Carbon	1.0	1.0	mg/L	08/13/12	JL	SM 5310C
Total Suspended Solids	< 5.0	5.0	mg/L	08/09/12	KG/NL	SM2540D
Filtration	Completed			08/08/12	AG	0.45um Filter
Dissolved Metals Preparation	Completed			08/08/12	AG	SW846-3005
Tot. Org. Halogens	0.037	0.010	ug/L	08/10/12	*	SW9020

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,2-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	08/09/12	H/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Hexanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Acetone	ND	25	ug/L	08/09/12	H/T	SW8260
Acrylonitrile	ND	5.0	ug/L	08/09/12	H/T	SW8260
Benzene	ND	0.70	ug/L	08/09/12	H/T	SW8260
Bromobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromochloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Bromoform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	08/09/12	H/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
cis-1,2-Dichloroethene	29	1.0	ug/L	08/09/12	H/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Ethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	08/09/12	H/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
m&p-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methylene chloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Naphthalene	ND	1.0	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
n-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
o-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Styrene	ND	1.0	ug/L	08/09/12	H/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Tetrachloroethene	8.5	1.0	ug/L	08/09/12	H/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	08/09/12	H/T	SW8260
Toluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Total Xylenes	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	08/09/12	H/T	SW8260
Trichloroethene	19	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Vinyl chloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	102		%	08/09/12	H/T	70 - 130 %
% Bromofluorobenzene	92		%	08/09/12	H/T	70 - 130 %
% Dibromofluoromethane	105		%	08/09/12	H/T	70 - 130 %
% Toluene-d8	98		%	08/09/12	H/T	70 - 130 %

S = This parameter is subcontracted.

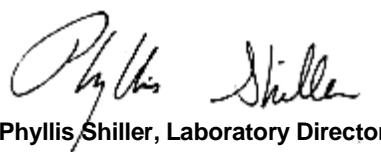
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.
 * TOX analyzed by CT certified lab #PH-0520. CT does not certify for this parameter.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

August 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 17, 2012

FOR: Attn: Mr Phil Rydel
VHB, Inc.
54 Tuttle Place
Middletown CT 06457

Sample Information

Matrix: GROUND WATER
Location Code: VHB-ENLF
Rush Request: Standard
P.O. #:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

Time

08/07/12 12:10
08/08/12 15:47

Project ID: ENVIRITE LANDFILL-THOMASTON
Client ID: FIELD BLANK

Laboratory Data

SDG ID: GBC51751

Phoenix ID: BC51764

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Barium (Dissolved)	< 0.002	0.002	mg/L	08/11/12	LK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Chromium (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Copper (Dissolved)	< 0.005	0.005	mg/L	08/11/12	LK	SW6010
Iron (Dissolved)	< 0.011	0.011	mg/L	08/11/12	LK	SW6010
Manganese (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Sodium (Dissolved)	< 0.11	0.11	mg/L	08/14/12	LK	SW6010
Nickel (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Zinc (Dissolved)	< 0.002	0.002	mg/L	08/11/12	LK	SW6010
Chloride	< 3.0	3.0	mg/L	08/09/12	bs/eg	300.0
Conductivity	< 5	5	umhos/cm	08/09/12	BS/KDB	SM2510B
Ammonia as Nitrogen	< 0.02	0.02	mg/L	08/09/12	WHM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	08/09/12 02:37	bs/eg	300.0
Nitrate as Nitrogen	< 0.05	0.05	mg/L	08/09/12 02:37	bs/eg	300.0
Phenolics	< 0.015	0.015	mg/L	08/09/12	GD	E420.4
pH	5.83	0.10	pH Units	08/09/12 03:48	BS/KDB	4500-H B/9040
Sulfate	< 3.0	3.0	mg/L	08/09/12	bs/eg	300.0
Total Cyanide	< 0.01	0.01	mg/L	08/10/12	O/GD	335.4/9010
Tot. Diss. Solids	< 10	10	mg/L	08/09/12	KG/KDB	SM2540C
Total Organic Carbon	< 1.0	1.0	mg/L	08/13/12	JL	SM 5310C
Total Suspended Solids	< 5.0	5.0	mg/L	08/09/12	KG/NL	SM2540D
Filtration	Completed			08/08/12	AG	0.45um Filter
Dissolved Metals Preparation	Completed			08/08/12	AG	SW846-3005
Tot. Org. Halogens	<0.010	0.010	ug/L	08/10/12	*	SW9020

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,2-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	08/09/12	H/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Hexanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Acetone	ND	25	ug/L	08/09/12	H/T	SW8260
Acrylonitrile	ND	5.0	ug/L	08/09/12	H/T	SW8260
Benzene	ND	0.70	ug/L	08/09/12	H/T	SW8260
Bromobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromochloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Bromoform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	08/09/12	H/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Ethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	08/09/12	H/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
m&p-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methylene chloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Naphthalene	2.1	1.0	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
n-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
o-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Styrene	ND	1.0	ug/L	08/09/12	H/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	08/09/12	H/T	SW8260
Toluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Total Xylenes	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	08/09/12	H/T	SW8260
Trichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Vinyl chloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	102		%	08/09/12	H/T	70 - 130 %
% Bromofluorobenzene	91		%	08/09/12	H/T	70 - 130 %
% Dibromofluoromethane	100		%	08/09/12	H/T	70 - 130 %
% Toluene-d8	102		%	08/09/12	H/T	70 - 130 %

S = This parameter is subcontracted.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

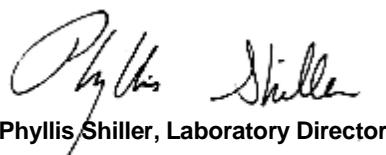
Comments:**FIELD BLANK INCLUDED**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

* TOX analyzed by CT certified lab #PH-0520. CT does not certify for this parameter.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

August 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 17, 2012

FOR: Attn: Mr Phil Rydel
VHB, Inc.
54 Tuttle Place
Middletown CT 06457

Sample Information

Matrix: GROUND WATER
Location Code: VHB-ENLF
Rush Request: Standard
P.O. #:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

Time

08/07/12 12:20
08/08/12 15:47

Laboratory Data

SDG ID: GBC51751

Phoenix ID: BC51765

Project ID: ENVIRITE LANDFILL-THOMASTON
Client ID: EQUIPMENT BLANK

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Barium (Dissolved)	< 0.002	0.002	mg/L	08/11/12	LK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Chromium (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Copper (Dissolved)	< 0.005	0.005	mg/L	08/11/12	LK	SW6010
Iron (Dissolved)	< 0.011	0.011	mg/L	08/11/12	LK	SW6010
Manganese (Dissolved)	< 0.001	0.001	mg/L	08/11/12	LK	SW6010
Sodium (Dissolved)	< 0.11	0.11	mg/L	08/15/12	LK	SW6010
Nickel (Dissolved)	0.001	0.001	mg/L	08/11/12	LK	SW6010
Zinc (Dissolved)	< 0.002	0.002	mg/L	08/11/12	LK	SW6010
Chloride	< 3.0	3.0	mg/L	08/09/12	bs/eg	300.0
Conductivity	< 5	5	umhos/cm	08/09/12	BS/KDB	SM2510B
Ammonia as Nitrogen	< 0.02	0.02	mg/L	08/09/12	WHM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	08/09/12 02:46	bs/eg	300.0
Nitrate as Nitrogen	< 0.05	0.05	mg/L	08/09/12 02:46	bs/eg	300.0
Phenolics	< 0.015	0.015	mg/L	08/10/12	GD	E420.4
pH	5.78	0.10	pH Units	08/09/12 04:17	BS/KDB	4500-H B/9040
Sulfate	< 3.0	3.0	mg/L	08/09/12	bs/eg	300.0
Total Cyanide	< 0.01	0.01	mg/L	08/10/12	O/GD	335.4/9010
Tot. Diss. Solids	< 10	10	mg/L	08/09/12	KG/KDB	SM2540C
Total Organic Carbon	< 1.0	1.0	mg/L	08/13/12	JL	SM 5310C
Total Suspended Solids	< 5.0	5.0	mg/L	08/09/12	KG/NL	SM2540D
Filtration	Completed			08/08/12	AG	0.45um Filter
Dissolved Metals Preparation	Completed			08/08/12	AG	SW846-3005
Tot. Org. Halogens	<0.010	0.010	ug/L	08/10/12	*	SW9020

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,2-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	08/09/12	H/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Hexanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Acetone	ND	25	ug/L	08/09/12	H/T	SW8260
Acrylonitrile	ND	5.0	ug/L	08/09/12	H/T	SW8260
Benzene	ND	0.70	ug/L	08/09/12	H/T	SW8260
Bromobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromochloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Bromoform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	08/09/12	H/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Ethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	08/09/12	H/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
m&p-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methylene chloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Naphthalene	3.3	1.0	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
n-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
o-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Styrene	ND	1.0	ug/L	08/09/12	H/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	08/09/12	H/T	SW8260
Toluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Total Xylenes	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	08/09/12	H/T	SW8260
Trichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Vinyl chloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	101		%	08/09/12	H/T	70 - 130 %
% Bromofluorobenzene	91		%	08/09/12	H/T	70 - 130 %
% Dibromofluoromethane	105		%	08/09/12	H/T	70 - 130 %
% Toluene-d8	103		%	08/09/12	H/T	70 - 130 %

S = This parameter is subcontracted.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

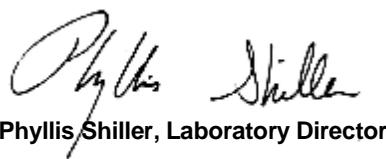
Comments:**EQUIPMENT BLANK INCLUDED**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

* TOX analyzed by CT certified lab #PH-0520. CT does not certify for this parameter.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director
August 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 17, 2012

FOR: Attn: Mr Phil Rydel
VHB, Inc.
54 Tuttle Place
Middletown CT 06457

Sample Information

Matrix: GROUND WATER
Location Code: VHB-ENLF
Rush Request: Standard
P.O. #:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date 08/07/12 Time 0:00

08/08/12 15:47

Laboratory Data

SDG ID: GBC51751

Phoenix ID: BC51766

Project ID: ENVIRITE LANDFILL-THOMASTON
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Volatiles						
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	08/09/12	H/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Hexanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Acetone	ND	25	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Acrylonitrile	ND	5.0	ug/L	08/09/12	H/T	SW8260
Benzene	ND	0.70	ug/L	08/09/12	H/T	SW8260
Bromobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromochloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Bromoform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	08/09/12	H/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Ethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	08/09/12	H/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
m&p-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methylene chloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Naphthalene	ND	1.0	ug/L	08/09/12	H/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
o-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Styrene	ND	1.0	ug/L	08/09/12	H/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	08/09/12	H/T	SW8260
Toluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Total Xylenes	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	08/09/12	H/T	SW8260
Trichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Vinyl chloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	100		%	08/09/12	H/T	70 - 130 %
% Bromofluorobenzene	91		%	08/09/12	H/T	70 - 130 %
% Dibromofluoromethane	98		%	08/09/12	H/T	70 - 130 %
% Toluene-d8	101		%	08/09/12	H/T	70 - 130 %

Project ID: ENVIRITE LANDFILL-THOMASTON
Client ID: TRIP BLANK

Phoenix I.D.: BC51766

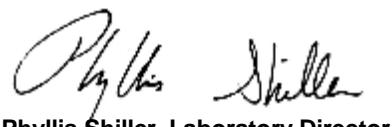
Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

TRIP BLANK INCLUDED

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Phyllis Shiller, Laboratory Director

August 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 17, 2012

FOR: Attn: Mr Phil Rydel
VHB, Inc.
54 Tuttle Place
Middletown CT 06457

Sample Information

Matrix: GROUND WATER
Location Code: VHB-ENLF
Rush Request: Standard
P.O. #:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

Time

08/07/12 13:45
08/08/12 15:47

Laboratory Data

SDG ID: GBC51751

Phoenix ID: BC51767

Project ID: ENVIRITE LANDFILL-THOMASTON
Client ID: SW UP STREAM

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Barium (Dissolved)	0.011	0.002	mg/L	08/14/12	LK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	mg/L	08/14/12	LK	SW6010
Chromium (Dissolved)	< 0.001	0.001	mg/L	08/14/12	LK	SW6010
Copper (Dissolved)	< 0.005	0.005	mg/L	08/14/12	LK	SW6010
Iron (Dissolved)	0.194	0.011	mg/L	08/14/12	LK	SW6010
Manganese (Dissolved)	0.018	0.001	mg/L	08/14/12	LK	SW6010
Sodium (Dissolved)	12.1	0.11	mg/L	08/14/12	LK	SW6010
Nickel (Dissolved)	< 0.001	0.001	mg/L	08/15/12	LK	SW6010
Zinc (Dissolved)	0.002	0.002	mg/L	08/14/12	LK	SW6010
Chloride	16.4	3.0	mg/L	08/09/12	bs/eg	300.0
Conductivity	116	5	umhos/cm	08/09/12	BS/KDB	SM2510B
Ammonia as Nitrogen	0.04	0.02	mg/L	08/09/12	WHM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	08/09/12 02:55	bs/eg	300.0
Nitrate as Nitrogen	0.12	0.05	mg/L	08/09/12 02:55	bs/eg	300.0
Phenolics	< 0.015	0.015	mg/L	08/10/12	GD	E420.4
pH	7.30	0.10	pH Units	08/09/12 04:20	BS/KDB	4500-H B/9040
Sulfate	6.1	3.0	mg/L	08/09/12	bs/eg	300.0
Total Cyanide	< 0.01	0.01	mg/L	08/10/12	O/GD	335.4/9010
Tot. Diss. Solids	71	10	mg/L	08/09/12	KG/KDB	SM2540C
Total Organic Carbon	2.2	1.0	mg/L	08/13/12	JL	SM 5310C
Total Suspended Solids	42	5.0	mg/L	08/09/12	KG/NL	SM2540D
Filtration	Completed			08/08/12	AG	0.45um Filter
Dissolved Metals Preparation	Completed			08/08/12	AG	SW846-3005
Tot. Org. Halogens	<0.010	0.010	ug/L	08/10/12	*	SW9020 S

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,2-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	08/09/12	H/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Hexanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Acetone	ND	25	ug/L	08/09/12	H/T	SW8260
Acrylonitrile	ND	5.0	ug/L	08/09/12	H/T	SW8260
Benzene	ND	0.70	ug/L	08/09/12	H/T	SW8260
Bromobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromochloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Bromoform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	08/09/12	H/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Ethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	08/09/12	H/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
m&p-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methylene chloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Naphthalene	ND	1.0	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
n-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
o-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Styrene	ND	1.0	ug/L	08/09/12	H/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	08/09/12	H/T	SW8260
Toluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Total Xylenes	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	08/09/12	H/T	SW8260
Trichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Vinyl chloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	102		%	08/09/12	H/T	70 - 130 %
% Bromofluorobenzene	88		%	08/09/12	H/T	70 - 130 %
% Dibromofluoromethane	107		%	08/09/12	H/T	70 - 130 %
% Toluene-d8	102		%	08/09/12	H/T	70 - 130 %

S = This parameter is subcontracted.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

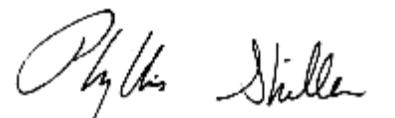
Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

* TOX analyzed by CT certified lab #PH-0520. CT does not certify for this parameter.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

August 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 17, 2012

FOR: Attn: Mr Phil Rydel
VHB, Inc.
54 Tuttle Place
Middletown CT 06457

Sample Information

Matrix: GROUND WATER
Location Code: VHB-ENLF
Rush Request: Standard
P.O. #:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

Time

08/07/12 12:30
08/08/12 15:47

Laboratory Data

SDG ID: GBC51751

Phoenix ID: BC51768

Project ID: ENVIRITE LANDFILL-THOMASTON
Client ID: SW DOWN STREAM

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Barium (Dissolved)	0.013	0.002	mg/L	08/14/12	LK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	mg/L	08/14/12	LK	SW6010
Chromium (Dissolved)	< 0.001	0.001	mg/L	08/14/12	LK	SW6010
Copper (Dissolved)	< 0.005	0.005	mg/L	08/14/12	LK	SW6010
Iron (Dissolved)	0.226	0.011	mg/L	08/14/12	LK	SW6010
Manganese (Dissolved)	0.134	0.001	mg/L	08/14/12	LK	SW6010
Sodium (Dissolved)	12.1	0.11	mg/L	08/14/12	LK	SW6010
Nickel (Dissolved)	< 0.001	0.001	mg/L	08/15/12	LK	SW6010
Zinc (Dissolved)	0.002	0.002	mg/L	08/14/12	LK	SW6010
Chloride	16.5	3.0	mg/L	08/09/12	bs/eg	300.0
Conductivity	118	5	umhos/cm	08/09/12	BS/KDB	SM2510B
Ammonia as Nitrogen	0.10	0.02	mg/L	08/09/12	WHM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	08/09/12 03:04	bs/eg	300.0
Nitrate as Nitrogen	0.11	0.05	mg/L	08/09/12 03:04	bs/eg	300.0
Phenolics	< 0.015	0.015	mg/L	08/10/12	GD	E420.4
pH	7.24	0.10	pH Units	08/09/12 04:23	BS/KDB	4500-H B/9040
Sulfate	6.1	3.0	mg/L	08/09/12	bs/eg	300.0
Total Cyanide	< 0.01	0.01	mg/L	08/10/12	O/GD	335.4/9010
Tot. Diss. Solids	71	10	mg/L	08/09/12	KG/KDB	SM2540C
Total Organic Carbon	2.4	1.0	mg/L	08/14/12	JL	SM 5310C
Total Suspended Solids	< 5.0	5.0	mg/L	08/09/12	KG/NL	SM2540D
Filtration	Completed			08/08/12	AG	0.45um Filter
Dissolved Metals Preparation	Completed			08/08/12	AG	SW846-3005
Tot. Org. Halogens	<0.010	0.010	ug/L	08/10/12	*	SW9020 S

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,2-Trichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	08/09/12	H/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
2-Hexanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Acetone	ND	25	ug/L	08/09/12	H/T	SW8260
Acrylonitrile	ND	5.0	ug/L	08/09/12	H/T	SW8260
Benzene	ND	0.70	ug/L	08/09/12	H/T	SW8260
Bromobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromochloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Bromoform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Bromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	08/09/12	H/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chlorobenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloroform	ND	1.0	ug/L	08/09/12	H/T	SW8260
Chloromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	08/09/12	H/T	SW8260
Dibromomethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Ethylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	08/09/12	H/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
m&p-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	08/09/12	H/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	08/09/12	H/T	SW8260
Methylene chloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
Naphthalene	ND	1.0	ug/L	08/09/12	H/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
n-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
o-Xylene	ND	1.0	ug/L	08/09/12	H/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Styrene	ND	1.0	ug/L	08/09/12	H/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	08/09/12	H/T	SW8260
Toluene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Total Xylenes	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	08/09/12	H/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	08/09/12	H/T	SW8260
Trichloroethene	ND	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	08/09/12	H/T	SW8260
Vinyl chloride	ND	1.0	ug/L	08/09/12	H/T	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	102		%	08/09/12	H/T	70 - 130 %
% Bromofluorobenzene	87		%	08/09/12	H/T	70 - 130 %
% Dibromofluoromethane	97		%	08/09/12	H/T	70 - 130 %
% Toluene-d8	102		%	08/09/12	H/T	70 - 130 %

S = This parameter is subcontracted.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

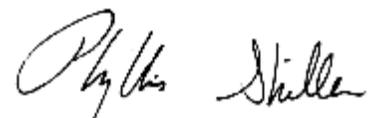
Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

* TOX analyzed by CT certified lab #PH-0520. CT does not certify for this parameter.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

August 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Tel. (860) 645-1102

Fax (860) 645-0823

QA/QC Report

August 17, 2012

QA/QC Data

SDG I.D.: GBC51751

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 206598, QC Sample No: BC51130 (BC51751, BC51752, BC51753, BC51754, BC51755, BC51756, BC51757, BC51758, BC51759, BC51760, BC51761, BC51762, BC51763, BC51764, BC51765)

ICP Metals - Dissolved

Barium	BRL	<0.002	<0.002	NC	97.1	98.7	1.6	80.8	83.0	2.7	75 - 125	20
Cadmium	BRL	<0.001	<0.001	NC	98.2	98.5	0.3	79.9	82.6	3.3	75 - 125	20
Chromium	BRL	<0.001	<0.001	NC	98.3	98.3	0.0	79.4	82.1	3.3	75 - 125	20
Copper	BRL	<0.005	<0.005	NC	98.8	100	1.2	81.8	84.0	2.7	75 - 125	20
Iron	BRL	<0.011	<0.011	NC	99.8	100	0.2	80.8	83.6	3.4	75 - 125	20
Manganese	BRL	<0.001	<0.001	NC	98.6	98.8	0.2	80.3	82.9	3.2	75 - 125	20
Nickel	BRL	<0.001	<0.001	NC	98.5	98.3	0.2	79.3	82.4	3.8	75 - 125	20
Sodium	0.13	<0.11	<0.11	NC	91.6	93.4	1.9	82.7	84.7	2.4	75 - 125	20
Zinc	BRL	<0.002	<0.002	NC	100	101	1.0	81.1	84.2	3.8	75 - 125	20

QA/QC Batch 206738, QC Sample No: BC52060 (BC51767, BC51768)

ICP Metals - Dissolved

Barium	BRL	0.019	0.019	0	98.7	97.1	1.6	101	99.4	1.6	75 - 125	20
Cadmium	BRL	<0.001	<0.001	NC	96.2	90.2	6.4	94.8	94.8	0.0	75 - 125	20
Chromium	BRL	<0.001	<0.001	NC	98.1	92.3	6.1	97.6	97.1	0.5	75 - 125	20
Copper	BRL	<0.005	<0.005	NC	101	98.2	2.8	105	102	2.9	75 - 125	20
Iron	BRL	6.94	6.83	1.60	98.9	92.5	6.7	NC	NC	NC	75 - 125	20
Manganese	BRL	0.571	0.560	1.90	98.4	93.7	4.9	96.1	97.9	1.9	75 - 125	20
Nickel	BRL	0.004	0.004	NC	98.0	91.8	6.5	97.0	96.5	0.5	75 - 125	20
Sodium	BRL	25.7	26.0	1.20	107	110	2.8	NC	NC	NC	75 - 125	20
Zinc	BRL	0.029	0.028	3.50	97.5	91.6	6.2	97.0	96.7	0.3	75 - 125	20



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Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

August 17, 2012

QA/QC Data

SDG I.D.: GBC51751

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 206934, QC Sample No: BC49338 (BC51751)												
Total Organic Carbon	BRL	<1.0	<1.0	NC	100			107			85 - 115	20
QA/QC Batch 206709, QC Sample No: BC50167 (BC51751, BC51752, BC51753, BC51754, BC51755)												
Total Cyanide	BRL	<0.01	<0.01	NC	97.3			99.0			85 - 115	20
QA/QC Batch 206760, QC Sample No: BC51194 (BC51751, BC51752, BC51753, BC51754, BC51755, BC51756, BC51757, BC51758, BC51759, BC51760, BC51761, BC51762, BC51763, BC51764)												
Phenolics	BRL	<0.015	<0.015	NC	97.6			87.0			85 - 115	20
QA/QC Batch 206801, QC Sample No: BC51681 (BC51751, BC51752, BC51753, BC51754, BC51755, BC51756, BC51757, BC51758, BC51759, BC51760, BC51761, BC51762, BC51763, BC51764)												
Conductivity	BRL	865	864	0.10	93.8						85 - 115	20
QA/QC Batch 206783, QC Sample No: BC51681 (BC51751, BC51752, BC51753, BC51754, BC51755, BC51756, BC51757, BC51758, BC51759, BC51760, BC51761, BC51762, BC51763, BC51764)												
pH		7.48	7.52	0.50	98.3						85 - 115	20
QA/QC Batch 206814, QC Sample No: BC51687 (BC51751, BC51752)												
Chloride	BRL	6.3	6.2	NC	92.0			94.2			85 - 115	20
Nitrate as Nitrogen	BRL	0.21	0.20	NC	98.5			96.9			85 - 115	20
Nitrite as Nitrogen	BRL	<0.01	<0.01	NC	98.4			91.2			85 - 115	20
Sulfate	BRL	3.7	3.6	NC	92.3			94.7			85 - 115	20
QA/QC Batch 206771, QC Sample No: BC51711 (BC51751, BC51752, BC51753, BC51754, BC51755, BC51756, BC51757, BC51758, BC51759, BC51760)												
Total Suspended Solids	BRL	<5.0	<5.0	NC	96.0						85 - 115	20
QA/QC Batch 206732, QC Sample No: BC51751 (BC51751, BC51752, BC51753, BC51754, BC51755, BC51756, BC51757, BC51758, BC51759, BC51760, BC51761, BC51762, BC51763, BC51764, BC51765, BC51767, BC51768)												
Ammonia as Nitrogen	BRL	1.42	1.40	1.40	101			100			85 - 115	20
QA/QC Batch 206777, QC Sample No: BC51751 (BC51751, BC51752, BC51753, BC51754, BC51755, BC51756, BC51757, BC51758, BC51759, BC51760, BC51761, BC51762, BC51763, BC51764, BC51765, BC51767, BC51768)												
Tot. Diss. Solids	BRL	790	800	1.30	101						85 - 115	20
QA/QC Batch 207069, QC Sample No: BC51754 (BC51754, BC51755, BC51756, BC51757, BC51758, BC51760, BC51762, BC51763, BC51764, BC51765, BC51767)												
Total Organic Carbon	BRL	1.2	<1.0	NC	104			94.0			85 - 115	20
QA/QC Batch 206773, QC Sample No: BC51761 (BC51761, BC51762, BC51763, BC51764, BC51765, BC51767, BC51768)												
Total Suspended Solids	BRL	8.0	7.0	NC	100						85 - 115	20
QA/QC Batch 207070, QC Sample No: BC51764 (BC51754, BC51755, BC51756, BC51757, BC51758, BC51760, BC51762, BC51763, BC51764, BC51765, BC51767)												
Total Organic Carbon		<1.0	<1.0	NC				96.0			85 - 115	20
QA/QC Batch 206874, QC Sample No: BC51765 (BC51765, BC51767, BC51768)												
Phenolics	BRL	<0.015	<0.015	NC	103			87.0			85 - 115	20
QA/QC Batch 206815, QC Sample No: BC51767 (BC51753, BC51754, BC51755, BC51756, BC51757, BC51758, BC51759, BC51760, BC51761, BC51762, BC51764, BC51765, BC51767, BC51768)												
Chloride	BRL	16.4	16.3	0.60	92.0			95.8			85 - 115	20
Nitrate as Nitrogen	BRL	0.12	0.12	NC	98.3			95.0			85 - 115	20
Nitrite as Nitrogen	BRL	<0.01	<0.01	NC	101			94.5			85 - 115	20

QA/QC Data

SDG I.D.: GBC51751

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Sulfate	BRL	6.1	6.2	NC	92.5			95.6			85 - 115	20
QA/QC Batch 206923, QC Sample No: BC51944 (BC51756, BC51757, BC51758, BC51759, BC51760, BC51761, BC51762, BC51763, BC51764, BC51765, BC51767, BC51768)												
Total Cyanide	BRL	0.01	<0.01	NC	100			85.8			85 - 115	20
QA/QC Batch 206802, QC Sample No: BC52155 (BC51765, BC51767, BC51768)												
Conductivity	BRL	2620	2640	0.80	93.2						85 - 115	20
QA/QC Batch 206784, QC Sample No: BC52155 (BC51765, BC51767, BC51768)												
pH		7.32	7.28	0.50	98.3						85 - 115	20
QA/QC Batch 206816, QC Sample No: BC52253 (BC51763)												
Chloride	BRL	608			92.6						85 - 115	20
Nitrate as Nitrogen	BRL	3.32	3.34	0.60	98.8			103			85 - 115	20
Nitrite as Nitrogen	BRL	<0.01	<0.01	NC	101			99.5			85 - 115	20
Sulfate	BRL	32.8	33.0	0.60	93.4			103			85 - 115	20
QA/QC Batch 206928, QC Sample No: BC52891 (BC51752, BC51753, BC51756)												
Chloride	BRL				91.4						85 - 115	20
Nitrate as Nitrogen	BRL	<0.05	<0.05	NC	97.6			105			85 - 115	20
Nitrite as Nitrogen	BRL	<0.01	<0.01	NC	105			92.0			85 - 115	20
Sulfate	BRL	7.8	7.8	NC	101			104			85 - 115	20
QA/QC Batch 206994, QC Sample No: BC53012 (BC51752, BC51753)												
Total Organic Carbon	BRL	1.3	1.3	NC	102			109			85 - 115	20
QA/QC Batch 207008, QC Sample No: BC53308 (BC51751)												
Chloride	BRL	5.9	6.0	NC	95.1			94.1			85 - 115	20
Nitrate as Nitrogen	BRL	0.75	0.75	0	96.2			98.3			85 - 115	20
Nitrite as Nitrogen	BRL	0.02	0.02	NC	103			94.8			85 - 115	20
Sulfate	BRL	11.4	11.4	NC	91.9			95.3			85 - 115	20



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Tel. (860) 645-1102

Fax (860) 645-0823

QA/QC Report

August 17, 2012

QA/QC Data

SDG I.D.: GBC51751

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 206827, QC Sample No: BC51766 (BC51751, BC51753, BC51754, BC51755, BC51756, BC51757, BC51759, BC51760, BC51761, BC51763, BC51766)									
<u>Volatiles - Ground Water</u>									
1,1,1,2-Tetrachloroethane	ND	110	107	2.8	118	93	23.7	70 - 130	30
1,1,1-Trichloroethane	ND	98	97	1.0	124	94	27.5	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	101	98	3.0	115	92	22.2	70 - 130	30
1,1,2-Trichloroethane	ND	110	103	6.6	116	92	23.1	70 - 130	30
1,1-Dichloroethane	ND	99	99	0.0	121	93	26.2	70 - 130	30
1,1-Dichloroethene	ND	96	96	0.0	117	87	29.4	70 - 130	30
1,1-Dichloropropene	ND	105	103	1.9	114	88	25.7	70 - 130	30
1,2,3-Trichlorobenzene	ND	120	116	3.4	111	108	2.7	70 - 130	30
1,2,3-Trichloropropane	ND	99	98	1.0	112	91	20.7	70 - 130	30
1,2,4-Trichlorobenzene	ND	114	109	4.5	118	102	14.5	70 - 130	30
1,2,4-Trimethylbenzene	ND	107	105	1.9	115	90	24.4	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	97	92	5.3	118	94	22.6	70 - 130	30
1,2-Dibromoethane	ND	111	105	5.6	120	96	22.2	70 - 130	30
1,2-Dichlorobenzene	ND	103	100	3.0	114	92	21.4	70 - 130	30
1,2-Dichloroethane	ND	116	109	6.2	106	86	20.8	70 - 130	30
1,2-Dichloropropane	ND	106	103	2.9	114	90	23.5	70 - 130	30
1,3,5-Trimethylbenzene	ND	107	105	1.9	116	88	27.5	70 - 130	30
1,3-Dichlorobenzene	ND	104	102	1.9	114	91	22.4	70 - 130	30
1,3-Dichloropropane	ND	105	104	1.0	115	92	22.2	70 - 130	30
1,4-Dichlorobenzene	ND	102	100	2.0	115	92	22.2	70 - 130	30
2,2-Dichloropropane	ND	70	71	1.4	82	61	29.4	70 - 130	30
2-Chlorotoluene	ND	104	101	2.9	113	88	24.9	70 - 130	30
2-Hexanone	ND	99	99	0.0	137	106	25.5	70 - 130	30
2-Isopropyltoluene	ND	102	100	2.0	116	89	26.3	70 - 130	30
4-Chlorotoluene	ND	102	99	3.0	116	90	25.2	70 - 130	30
4-Methyl-2-pentanone	ND	102	98	4.0	>150	119	NC	70 - 130	30
Acetone	ND	100	95	5.1	129	105	20.5	70 - 130	30
Acrylonitrile	ND	98	98	0.0	125	96	26.2	70 - 130	30
Benzene	ND	107	105	1.9	106	85	22.0	70 - 130	30
Bromobenzene	ND	106	100	5.8	119	94	23.5	70 - 130	30
Bromochloromethane	ND	101	100	1.0	126	101	22.0	70 - 130	30
Bromodichloromethane	ND	109	105	3.7	118	91	25.8	70 - 130	30
Bromoform	ND	105	102	2.9	123	98	22.6	70 - 130	30
Bromomethane	ND	106	105	0.9	107	93	14.0	70 - 130	30
Carbon Disulfide	ND	90	91	1.1	112	84	28.6	70 - 130	30
Carbon tetrachloride	ND	103	100	3.0	111	87	24.2	70 - 130	30
Chlorobenzene	ND	103	100	3.0	114	90	23.5	70 - 130	30
Chloroethane	ND	99	95	4.1	117	89	27.2	70 - 130	30
Chloroform	ND	99	98	1.0	125	96	26.2	70 - 130	30
Chloromethane	ND	94	96	2.1	118	92	24.8	70 - 130	30

QA/QC Data

SDG I.D.: GBC51751

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,2-Dichloroethene	ND	101	98	3.0	125	97	25.2	70 - 130	30
cis-1,3-Dichloropropene	ND	102	98	4.0	111	88	23.1	70 - 130	30
Dibromochloromethane	ND	106	102	3.8	119	96	21.4	70 - 130	30
Dibromomethane	ND	105	100	4.9	112	87	25.1	70 - 130	30
Dichlorodifluoromethane	ND	88	90	2.2	98	76	25.3	70 - 130	30
Ethylbenzene	ND	106	106	0.0	116	89	26.3	70 - 130	30
Hexachlorobutadiene	ND	99	96	3.1	115	92	22.2	70 - 130	30
Isopropylbenzene	ND	103	103	0.0	117	91	25.0	70 - 130	30
m&p-Xylene	ND	106	105	0.9	117	91	25.0	70 - 130	30
Methyl ethyl ketone	ND	94	93	1.1	123	100	20.6	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	103	99	4.0	125	100	22.2	70 - 130	30
Methylene chloride	ND	93	93	0.0	117	92	23.9	70 - 130	30
Naphthalene	ND	118	118	0.0	121	117	3.4	70 - 130	30
n-Butylbenzene	ND	107	108	0.9	111	87	24.2	70 - 130	30
n-Propylbenzene	ND	100	98	2.0	113	87	26.0	70 - 130	30
o-Xylene	ND	106	104	1.9	118	92	24.8	70 - 130	30
p-Isopropyltoluene	ND	112	111	0.9	114	89	24.6	70 - 130	30
sec-Butylbenzene	ND	104	102	1.9	113	87	26.0	70 - 130	30
Styrene	ND	109	106	2.8	119	94	23.5	70 - 130	30
tert-Butylbenzene	ND	105	104	1.0	116	90	25.2	70 - 130	30
Tetrachloroethene	ND	103	101	2.0	114	89	24.6	70 - 130	30
Tetrahydrofuran (THF)	ND	89	88	1.1	124	92	29.6	70 - 130	30
Toluene	ND	105	103	1.9	113	89	23.8	70 - 130	30
trans-1,2-Dichloroethene	ND	100	100	0.0	123	92	28.8	70 - 130	30
trans-1,3-Dichloropropene	ND	103	100	3.0	115	92	22.2	70 - 130	30
trans-1,4-dichloro-2-butene	ND	98	93	5.2	108	81	28.6	70 - 130	30
Trichloroethene	ND	108	105	2.8	116	89	26.3	70 - 130	30
Trichlorofluoromethane	ND	102	103	1.0	113	86	27.1	70 - 130	30
Trichlorotrifluoroethane	ND	91	94	3.2	106	82	25.5	70 - 130	30
Vinyl chloride	ND	95	97	2.1	119	88	30.0	70 - 130	30
% 1,2-dichlorobenzene-d4	102	101	99	2.0	102	99	3.0	70 - 130	30
% Bromofluorobenzene	91	101	100	1.0	100	100	0.0	70 - 130	30
% Dibromofluoromethane	98	95	97	2.1	119	111	7.0	70 - 130	30
% Toluene-d8	100	100	100	0.0	97	99	2.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 206879, QC Sample No: BC52059 (BC51752, BC51755 (10X) , BC51756 (10X) , BC51757 (10X) , BC51760 (10X) , BC51762, BC51764, BC51765, BC51767, BC51768)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	105	109	3.7	123	104	16.7	70 - 130	30
1,1,1-Trichloroethane	ND	106	110	3.7	136	110	21.1	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	100	103	3.0	123	100	20.6	70 - 130	30
1,1,2-Trichloroethane	ND	104	104	0.0	122	98	21.8	70 - 130	30
1,1-Dichloroethane	ND	104	107	2.8	134	110	19.7	70 - 130	30
1,1-Dichloroethene	ND	96	99	3.1	129	106	19.6	70 - 130	30
1,1-Dichloropropene	ND	98	106	7.8	120	99	19.2	70 - 130	30
1,2,3-Trichlorobenzene	ND	118	120	1.7	107	115	7.2	70 - 130	30
1,2,3-Trichloropropane	ND	102	100	2.0	123	99	21.6	70 - 130	30
1,2,4-Trichlorobenzene	ND	111	115	3.5	118	113	4.3	70 - 130	30
1,2,4-Trimethylbenzene	ND	100	108	7.7	126	106	17.2	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	107	114	6.3	114	97	16.1	70 - 130	30

QA/QC Data

SDG I.D.: GBC51751

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2-Dibromoethane	ND	105	108	2.8	127	101	22.8	70 - 130	30
1,2-Dichlorobenzene	ND	98	103	5.0	122	103	16.9	70 - 130	30
1,2-Dichloroethane	ND	94	98	4.2	111	93	17.6	70 - 130	30
1,2-Dichloropropane	ND	99	105	5.9	122	102	17.9	70 - 130	30
1,3,5-Trimethylbenzene	ND	101	110	8.5	128	107	17.9	70 - 130	30
1,3-Dichlorobenzene	ND	98	104	5.9	122	105	15.0	70 - 130	30
1,3-Dichloropropane	ND	103	104	1.0	122	100	19.8	70 - 130	30
1,4-Dichlorobenzene	ND	96	102	6.1	123	103	17.7	70 - 130	30
2,2-Dichloropropane	ND	88	92	4.4	105	82	24.6	70 - 130	30
2-Chlorotoluene	ND	97	106	8.9	126	104	19.1	70 - 130	30
2-Hexanone	ND	109	106	2.8	120	101	17.2	70 - 130	30
2-Isopropyltoluene	ND	94	101	7.2	120	101	17.2	70 - 130	30
4-Chlorotoluene	ND	97	101	4.0	123	105	15.8	70 - 130	30
4-Methyl-2-pentanone	ND	106	107	0.9	138	102	30.0	70 - 130	30
Acetone	ND	96	94	2.1	133	101	27.4	70 - 130	30
Acrylonitrile	ND	107	106	0.9	130	109	17.6	70 - 130	30
Benzene	ND	90	103	13.5	110	95	14.6	70 - 130	30
Bromobenzene	ND	104	111	6.5	127	105	19.0	70 - 130	30
Bromochloromethane	ND	108	111	2.7	136	109	22.0	70 - 130	30
Bromodichloromethane	ND	102	107	4.8	124	101	20.4	70 - 130	30
Bromoform	ND	113	114	0.9	128	107	17.9	70 - 130	30
Bromomethane	ND	109	110	0.9	123	116	5.9	70 - 130	30
Carbon Disulfide	ND	91	96	5.3	123	103	17.7	70 - 130	30
Carbon tetrachloride	ND	98	107	8.8	118	100	16.5	70 - 130	30
Chlorobenzene	ND	97	103	6.0	121	102	17.0	70 - 130	30
Chloroethane	ND	95	98	3.1	133	108	20.7	70 - 130	30
Chloroform	ND	107	109	1.9	135	111	19.5	70 - 130	30
Chloromethane	ND	93	96	3.2	135	113	17.7	70 - 130	30
cis-1,2-Dichloroethene	ND	108	109	0.9	134	110	19.7	70 - 130	30
cis-1,3-Dichloropropene	ND	99	104	4.9	123	100	20.6	70 - 130	30
Dibromochloromethane	ND	108	111	2.7	124	104	17.5	70 - 130	30
Dibromomethane	ND	99	101	2.0	118	97	19.5	70 - 130	30
Dichlorodifluoromethane	ND	82	90	9.3	119	103	14.4	70 - 130	30
Ethylbenzene	ND	98	107	8.8	124	105	16.6	70 - 130	30
Hexachlorobutadiene	ND	94	98	4.2	123	105	15.8	70 - 130	30
Isopropylbenzene	ND	97	107	9.8	130	108	18.5	70 - 130	30
m&p-Xylene	ND	98	107	8.8	125	106	16.5	70 - 130	30
Methyl ethyl ketone	ND	105	97	7.9	129	104	21.5	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	103	105	1.9	117	94	21.8	70 - 130	30
Methylene chloride	ND	97	99	2.0	124	105	16.6	70 - 130	30
Naphthalene	ND	126	121	4.0	111	118	6.1	70 - 130	30
n-Butylbenzene	ND	97	105	7.9	128	108	16.9	70 - 130	30
n-Propylbenzene	ND	93	102	9.2	126	107	16.3	70 - 130	30
o-Xylene	ND	98	106	7.8	122	103	16.9	70 - 130	30
p-Isopropyltoluene	ND	102	111	8.5	129	108	17.7	70 - 130	30
sec-Butylbenzene	ND	94	102	8.2	126	106	17.2	70 - 130	30
Styrene	ND	101	107	5.8	125	105	17.4	70 - 130	30
tert-Butylbenzene	ND	97	105	7.9	127	107	17.1	70 - 130	30
Tetrachloroethene	ND	98	109	10.6	126	108	15.4	70 - 130	30
Tetrahydrofuran (THF)	ND	103	98	5.0	126	95	28.1	70 - 130	30
Toluene	ND	97	104	7.0	121	102	17.0	70 - 130	30
trans-1,2-Dichloroethene	ND	102	108	5.7	132	111	17.3	70 - 130	30
trans-1,3-Dichloropropene	ND	104	108	3.8	124	102	19.5	70 - 130	30

QA/QC Data

SDG I.D.: GBC51751

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
trans-1,4-dichloro-2-butene	ND	105	108	2.8	120	94	24.3	70 - 130	30
Trichloroethene	ND	101	110	8.5	125	105	17.4	70 - 130	30
Trichlorofluoromethane	ND	100	105	4.9	125	102	20.3	70 - 130	30
Trichlorotrifluoroethane	ND	90	99	9.5	116	99	15.8	70 - 130	30
Vinyl chloride	ND	94	101	7.2	132	112	16.4	70 - 130	30
% 1,2-dichlorobenzene-d4	100	100	98	2.0	100	99	1.0	70 - 130	30
% Bromofluorobenzene	89	100	100	0.0	100	101	1.0	70 - 130	30
% Dibromofluoromethane	105	117	109	7.1	116	112	3.5	70 - 130	30
% Toluene-d8	100	99	99	0.0	99	99	0.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 207041, QC Sample No: BC52818 (BC51752 (100,1000X))

Volatiles - Ground Water

1,2,4-Trimethylbenzene	ND	108	99	8.7	101	97	4.0	70 - 130	30
4-Methyl-2-pentanone	ND	99	97	2.0	107	97	9.8	70 - 130	30
Acetone	ND	114	106	7.3	114	108	5.4	70 - 130	30
cis-1,2-Dichloroethene	ND	120	99	19.2	114	100	13.1	70 - 130	30
Ethylbenzene	ND	108	98	9.7	103	101	2.0	70 - 130	30
m&p-Xylene	ND	109	99	9.6	106	101	4.8	70 - 130	30
Methyl ethyl ketone	ND	106	96	9.9	112	102	9.3	70 - 130	30
o-Xylene	ND	109	100	8.6	104	101	2.9	70 - 130	30
Tetrahydrofuran (THF)	ND	101	89	12.6	103	96	7.0	70 - 130	30
Toluene	ND	105	97	7.9	101	95	6.1	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 207324, QC Sample No: BC52819 (BC51758)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	105	111	5.6	123	125	1.6	70 - 130	30
1,1,1-Trichloroethane	ND	98	111	12.4	135	135	0.0	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	90	98	8.5	106	110	3.7	70 - 130	30
1,1,2-Trichloroethane	ND	91	103	12.4	111	114	2.7	70 - 130	30
1,1-Dichloroethane	ND	89	102	13.6	122	121	0.8	70 - 130	30
1,1-Dichloroethene	ND	92	103	11.3	130	131	0.8	70 - 130	30
1,1-Dichloropropene	ND	106	107	0.9	135	140	3.6	70 - 130	30
1,2,3-Trichlorobenzene	ND	100	123	20.6	102	130	24.1	70 - 130	30
1,2,3-Trichloropropane	ND	90	100	10.5	112	116	3.5	70 - 130	30
1,2,4-Trichlorobenzene	ND	104	119	13.5	113	133	16.3	70 - 130	30
1,2,4-Trimethylbenzene	ND	109	108	0.9	120	125	4.1	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	90	110	20.0	100	107	6.8	70 - 130	30
1,2-Dibromoethane	ND	94	104	10.1	116	119	2.6	70 - 130	30
1,2-Dichlorobenzene	ND	96	100	4.1	113	116	2.6	70 - 130	30
1,2-Dichloroethane	ND	94	97	3.1	109	112	2.7	70 - 130	30
1,2-Dichloropropene	ND	99	106	6.8	115	119	3.4	70 - 130	30
1,3,5-Trimethylbenzene	ND	112	110	1.8	123	126	2.4	70 - 130	30
1,3-Dichlorobenzene	ND	103	104	1.0	117	120	2.5	70 - 130	30
1,3-Dichloropropene	ND	95	100	5.1	110	112	1.8	70 - 130	30
1,4-Dichlorobenzene	ND	98	101	3.0	115	119	3.4	70 - 130	30
2,2-Dichloropropane	ND	90	100	10.5	138	136	1.5	70 - 130	30

QA/QC Data

SDG I.D.: GBC51751

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
2-Chlorotoluene	ND	106	105	0.9	119	122	2.5	70 - 130	30
2-Hexanone	ND	85	105	21.1	113	118	4.3	70 - 130	30
2-Isopropyltoluene	ND	102	102	0.0	116	119	2.6	70 - 130	30
4-Chlorotoluene	ND	103	101	2.0	115	121	5.1	70 - 130	30
4-Methyl-2-pentanone	ND	87	103	16.8	108	114	5.4	70 - 130	30
Acetone	ND	70	91	26.1	100	106	5.8	70 - 130	30
Acrylonitrile	ND	79	98	21.5	106	108	1.9	70 - 130	30
Benzene	ND	99	100	1.0	120	126	4.9	70 - 130	30
Bromobenzene	ND	107	109	1.9	119	122	2.5	70 - 130	30
Bromochloromethane	ND	87	108	21.5	124	124	0.0	70 - 130	30
Bromodichloromethane	ND	98	108	9.7	118	123	4.1	70 - 130	30
Bromoform	ND	108	115	6.3	127	136	6.8	70 - 130	30
Bromomethane	ND	102	108	5.7	97	126	26.0	70 - 130	30
Carbon Disulfide	ND	88	97	9.7	116	118	1.7	70 - 130	30
Carbon tetrachloride	ND	106	108	1.9	140	145	3.5	70 - 130	30
Chlorobenzene	ND	100	103	3.0	120	119	0.8	70 - 130	30
Chloroethane	ND	83	89	7.0	119	119	0.0	70 - 130	30
Chloroform	ND	90	106	16.3	123	124	0.8	70 - 130	30
Chloromethane	ND	83	97	15.6	101	105	3.9	70 - 130	30
cis-1,2-Dichloroethene	ND	93	108	14.9	125	124	0.8	70 - 130	30
cis-1,3-Dichloropropene	ND	99	107	7.8	125	128	2.4	70 - 130	30
Dibromochloromethane	ND	100	106	5.8	119	121	1.7	70 - 130	30
Dibromomethane	ND	87	94	7.7	110	113	2.7	70 - 130	30
Dichlorodifluoromethane	ND	76	70	8.2	107	112	4.6	70 - 130	30
Ethylbenzene	ND	108	108	0.0	124	125	0.8	70 - 130	30
Hexachlorobutadiene	ND	110	116	5.3	141	144	2.1	70 - 130	30
Isopropylbenzene	ND	113	109	3.6	127	128	0.8	70 - 130	30
m&p-Xylene	ND	109	109	0.0	128	129	0.8	70 - 130	30
Methyl ethyl ketone	ND	69	91	27.5	102	107	4.8	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	85	98	14.2	111	116	4.4	70 - 130	30
Methylene chloride	ND	85	99	15.2	112	114	1.8	70 - 130	30
Naphthalene	ND	100	120	18.2	94	126	29.1	70 - 130	30
n-Butylbenzene	ND	108	109	0.9	128	133	3.8	70 - 130	30
n-Propylbenzene	ND	106	104	1.9	124	128	3.2	70 - 130	30
o-Xylene	ND	107	110	2.8	125	126	0.8	70 - 130	30
p-Isopropyltoluene	ND	116	114	1.7	127	131	3.1	70 - 130	30
sec-Butylbenzene	ND	107	105	1.9	127	131	3.1	70 - 130	30
Styrene	ND	107	111	3.7	128	128	0.0	70 - 130	30
tert-Butylbenzene	ND	110	107	2.8	126	129	2.4	70 - 130	30
Tetrachloroethene	ND	115	111	3.5	141	139	1.4	70 - 130	30
Tetrahydrofuran (THF)	ND	69	89	25.3	98	103	5.0	70 - 130	30
Toluene	ND	106	108	1.9	120	123	2.5	70 - 130	30
trans-1,2-Dichloroethene	ND	94	108	13.9	126	128	1.6	70 - 130	30
trans-1,3-Dichloropropene	ND	100	111	10.4	122	129	5.6	70 - 130	30
trans-1,4-dichloro-2-butene	ND	105	104	1.0	118	126	6.6	70 - 130	30
Trichloroethene	ND	109	111	1.8	134	133	0.7	70 - 130	30
Trichlorofluoromethane	ND	97	113	15.2	135	136	0.7	70 - 130	30
Trichlorotrifluoroethane	ND	96	111	14.5	144	141	2.1	70 - 130	30
Vinyl chloride	ND	92	104	12.2	112	120	6.9	70 - 130	30
% 1,2-dichlorobenzene-d4	102	99	98	1.0	99	100	1.0	70 - 130	30
% Bromofluorobenzene	93	102	106	3.8	107	105	1.9	70 - 130	30
% Dibromofluoromethane	104	101	116	13.8	117	112	4.4	70 - 130	30
% Toluene-d8	99	100	100	0.0	98	99	1.0	70 - 130	30

QA/QC Data

SDG I.D.: GBC51751

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

I = This parameter is outside laboratory lcs/lcsd specified recovery limits.

m = This parameter is outside laboratory ms/msd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

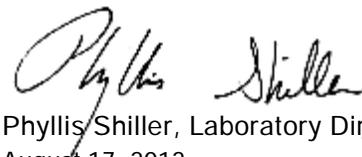
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director

August 17, 2012

Requested Criteria: GWP, SWP

Sample Criteria Exceedences Report

GBC51751 - VHB-ENLF

State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BC51751	\$8260GWR	Acrylonitrile	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
BC51751	\$8260GWR	Trichloroethene	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	12	1.0	5	5	ug/L
BC51751	\$8260GWR	1,2-Dibromoethane	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L
BC51751	\$8260GWR	Tetrachloroethene	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	9.6	1.0	5	5	ug/L
BC51752	\$8260GWR	Chloromethane	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	10	2.7	2.7	ug/L
BC51752	\$8260GWR	Vinyl chloride	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	230	10	2	2	ug/L
BC51752	\$8260GWR	Bromomethane	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	10	9.8	9.8	ug/L
BC51752	\$8260GWR	1,1-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	10	7	7	ug/L
BC51752	\$8260GWR	Methylene chloride	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	10	5	5	ug/L
BC51752	\$8260GWR	Acrylonitrile	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	50	0.5	0.5	ug/L
BC51752	\$8260GWR	Acrylonitrile	CT / VOLATILE ORGANIC COMPOUND / SWPC (µg/L)	ND	50	20	20	ug/L
BC51752	\$8260GWR	cis-1,2-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	2400	100	70	70	ug/L
BC51752	\$8260GWR	Methyl ethyl ketone	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	1400	500	400	400	ug/L
BC51752	\$8260GWR	Chloroform	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	10	6	6	ug/L
BC51752	\$8260GWR	Carbon tetrachloride	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	10	5	5	ug/L
BC51752	\$8260GWR	Benzene	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	110	7.0	1	1	ug/L
BC51752	\$8260GWR	1,2-Dichloroethane	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	7.3	6.0	1	1	ug/L
BC51752	\$8260GWR	Trichloroethene	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	10	5	5	ug/L
BC51752	\$8260GWR	1,2-Dichloropropane	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	10	5	5	ug/L
BC51752	\$8260GWR	Bromodichloromethane	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	5.0	0.56	0.56	ug/L
BC51752	\$8260GWR	4-Methyl-2-pentanone	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	22000	5000	350	350	ug/L
BC51752	\$8260GWR	Toluene	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	9800	1000	1000	1000	ug/L
BC51752	\$8260GWR	1,1,2-Trichloroethane	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	10	5	5	ug/L
BC51752	\$8260GWR	1,2-Dibromoethane	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	10	0.05	0.05	ug/L
BC51752	\$8260GWR	Tetrachloroethene	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	10	5	5	ug/L
BC51752	\$8260GWR	Dibromochloromethane	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
BC51752	\$8260GWR	1,1,1,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	10	1	1	ug/L
BC51752	\$8260GWR	Ethylbenzene	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	3100	100	700	700	ug/L
BC51752	\$8260GWR	Bromoform	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	10	4	4	ug/L
BC51752	\$8260GWR	Isopropylbenzene	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	120	10	30	30	ug/L
BC51752	\$8260GWR	1,1,2,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
BC51752	\$8260GWR	Hexachlorobutadiene	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	4.0	0.45	0.45	ug/L
BC51752	\$8260GWR	Total Xylenes	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	9200	10	530	530	ug/L
BC51752	D-CU	Copper (Dissolved)	CT / INORGANIC SUBSTANCES / SWPC (µg/L)	0.083	0.005	0.048	0.048	mg/L
BC51752	D-ZN	Zinc (Dissolved)	CT / INORGANIC SUBSTANCES / SWPC (µg/L)	0.708	0.002	0.123	0.123	mg/L
BC51753	\$8260GWR	Acrylonitrile	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
BC51753	\$8260GWR	1,2-Dibromoethane	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L
BC51754	\$8260GWR	Acrylonitrile	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
BC51754	\$8260GWR	1,2-Dibromoethane	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L

Requested Criteria: GWP, SWP

Sample Criteria Exceedences Report

GBC51751 - VHB-ENLF

State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BC51755	\$8260GWR	Acrylonitrile	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
BC51755	\$8260GWR	Trichloroethene	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	17	1.0	5	5	ug/L
BC51755	\$8260GWR	1,2-Dibromoethane	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L
BC51755	\$8260GWR	Tetrachloroethene	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	10	1.0	5	5	ug/L
BC51756	\$8260GWR	Acrylonitrile	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
BC51756	\$8260GWR	Trichloroethene	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	25	1.0	5	5	ug/L
BC51756	\$8260GWR	1,2-Dibromoethane	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L
BC51756	\$8260GWR	Tetrachloroethene	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	13	1.0	5	5	ug/L
BC51757	\$8260GWR	Acrylonitrile	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
BC51757	\$8260GWR	Trichloroethene	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	25	1.0	5	5	ug/L
BC51757	\$8260GWR	1,2-Dibromoethane	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L
BC51757	\$8260GWR	Tetrachloroethene	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	6.2	1.0	5	5	ug/L
BC51757	NO3N-IC	Nitrate as Nitrogen	CT / INORGANIC SUBSTANCES / GWPC (µg/L)	16.8	0.25	10	10	mg/L
BC51758	\$8260GWR	Acrylonitrile	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
BC51758	\$8260GWR	Trichloroethene	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	12	1.0	5	5	ug/L
BC51758	\$8260GWR	1,2-Dibromoethane	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L
BC51758	\$8260GWR	Tetrachloroethene	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	11	1.0	5	5	ug/L
BC51758	D-ZN	Zinc (Dissolved)	CT / INORGANIC SUBSTANCES / SWPC (µg/L)	0.135	0.002	0.123	0.123	mg/L
BC51758	NO3N-IC	Nitrate as Nitrogen	CT / INORGANIC SUBSTANCES / GWPC (µg/L)	15.4	0.25	10	10	mg/L
BC51759	\$8260GWR	Acrylonitrile	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
BC51759	\$8260GWR	Trichloroethene	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	11	1.0	5	5	ug/L
BC51759	\$8260GWR	1,2-Dibromoethane	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L
BC51759	\$8260GWR	Tetrachloroethene	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	10	1.0	5	5	ug/L
BC51759	D-ZN	Zinc (Dissolved)	CT / INORGANIC SUBSTANCES / SWPC (µg/L)	0.134	0.002	0.123	0.123	mg/L
BC51759	NO3N-IC	Nitrate as Nitrogen	CT / INORGANIC SUBSTANCES / GWPC (µg/L)	15.4	0.25	10	10	mg/L
BC51760	\$8260GWR	Vinyl chloride	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	2.4	1.0	2	2	ug/L
BC51760	\$8260GWR	Acrylonitrile	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
BC51760	\$8260GWR	Trichloroethene	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	24	10.0	5	5	ug/L
BC51760	\$8260GWR	1,2-Dibromoethane	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L
BC51760	\$8260GWR	Tetrachloroethene	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	20	10.0	5	5	ug/L
BC51760	NO3N-IC	Nitrate as Nitrogen	CT / INORGANIC SUBSTANCES / GWPC (µg/L)	36.2	0.50	10	10	mg/L
BC51761	\$8260GWR	Acrylonitrile	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
BC51761	\$8260GWR	Trichloroethene	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	18	1.0	5	5	ug/L
BC51761	\$8260GWR	1,2-Dibromoethane	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L
BC51761	\$8260GWR	Tetrachloroethene	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	9.9	1.0	5	5	ug/L
BC51761	D-CU	Copper (Dissolved)	CT / INORGANIC SUBSTANCES / SWPC (µg/L)	0.281	0.005	0.048	0.048	mg/L
BC51761	D-ZN	Zinc (Dissolved)	CT / INORGANIC SUBSTANCES / SWPC (µg/L)	0.229	0.002	0.123	0.123	mg/L

Requested Criteria: GWP, SWP

Sample Criteria Exceedences Report

GBC51751 - VHB-ENLF

State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BC51762	\$8260GWR	Acrylonitrile	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
BC51762	\$8260GWR	1,2-Dibromoethane	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L
BC51763	\$8260GWR	Acrylonitrile	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
BC51763	\$8260GWR	Trichloroethene	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	19	1.0	5	5	ug/L
BC51763	\$8260GWR	1,2-Dibromoethane	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L
BC51763	\$8260GWR	Tetrachloroethene	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	8.5	1.0	5	5	ug/L
BC51763	NO3N-IC	Nitrate as Nitrogen	CT / INORGANIC SUBSTANCES / GWPC (µg/L)	10.5	0.25	10	10	mg/L
BC51764	\$8260GWR	Acrylonitrile	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
BC51764	\$8260GWR	1,2-Dibromoethane	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L
BC51765	\$8260GWR	Acrylonitrile	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
BC51765	\$8260GWR	1,2-Dibromoethane	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L
BC51767	\$8260GWR	Acrylonitrile	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
BC51767	\$8260GWR	1,2-Dibromoethane	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L
BC51768	\$8260GWR	Acrylonitrile	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
BC51768	\$8260GWR	1,2-Dibromoethane	CT / VOLATILE ORGANIC COMPOUND / GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** VHB-ENLF

Project Location: ENVIRITE LANDFILL-THOMAST **Project Number:**

Laboratory Sample ID(s): BC51751, BC51752, BC51753, BC51754, BC51755, BC51756, BC51757, BC51758, BC51759, BC51760, BC51761, BC51762, BC51763, BC51764, BC51765, BC51766, BC51767, BC51768

Sampling Date(s): 8/7/2012

RCP Methods Used:

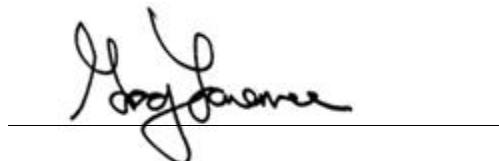
1311/1312 6010 7000 7196 7470/7471 8081 EPH TO15
 8082 8151 8260 8270 ETPH 9010/9012 VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? See Sections: ICP Narration, VOA Narration.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5b.	Were these reporting limits met?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized
Signature:



Date: Friday, August 17, 2012

Printed Name: Greg Lawrence

Position: Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

August 17, 2012

SDG I.D.: GBC51751

The client requested a shorter list of elements than the 6010 RCP list.

Volatile 8260 analysis:

The reporting level for Acrylonitrile is above the GWP criteria.

1,2-Dibromoethane does not meet GWP criteria, this compound is analyzed by GC/ECD method 504 or 8011 to achieve this criteria. Sample ID BC51752: not all of the requested criteria could be achieved due to the concentration of target and non-target compounds.

Cyanide Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Lachat 08/08/12-1 (BC51751, BC51752, BC51753, BC51754, BC51755)

The samples were distilled in accordance with the method.

The initial calibration met criteria.

The calibration check standards (ICV,CCV) were within 15% of true value and were analyzed at a frequency of one per ten samples. The continuing calibration blanks (ICB,CCB) had concentrations less than the reporting level.

The method blank, laboratory control sample (LCS), and matrix spike were distilled with the samples.

Printed Name Dustin Harrison

Position: Chemist

Date: 8/8/2012

Instrument: Lachat 08/12/12-1 (BC51756, BC51757, BC51758, BC51759, BC51760, BC51761, BC51762, BC51763, BC51764, BC51765, BC51767, BC51768)

The samples were distilled in accordance with the method.

The initial calibration met criteria.

The calibration check standards (ICV,CCV) were within 15% of true value and were analyzed at a frequency of one per ten samples. The continuing calibration blanks (ICB,CCB) had concentrations less than the reporting level.

The method blank, laboratory control sample (LCS), and matrix spike were distilled with the samples.

Printed Name Dustin Harrison

Position: Chemist

Date: 8/12/2012



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

August 17, 2012

SDG I.D.: GBC51751

QC (Batch Specific)

----- Sample No: BC50167, QA/QC Batch: 206709 -----

All LCS recoveries were within 85 - 115 with the following exceptions: None.

----- Sample No: BC51944, QA/QC Batch: 206923 -----

All LCS recoveries were within 85 - 115 with the following exceptions: None.

ICP Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 206598 (Samples: BC51751, BC51752, BC51753, BC51754, BC51755, BC51756, BC51757, BC51758, BC51759, BC51760, BC51761, BC51762, BC51763, BC51764, BC51765): -----

A trace amount of an analyte was found in blank. Due to the concentration in the blank relative to the samples, no bias is suspected. (Dissolved- Sodium(BC51751, BC51752, BC51753, BC51754, BC51755, BC51756, BC51757, BC51758, BC51759, BC51760, BC51761, BC51762, BC51763))

Instrument: Blue 08/10/12-1 (BC51751, BC51752, BC51753, BC51754, BC51755, BC51756, BC51757, BC51758, BC51759, BC51760, BC51761, BC51762, BC51763, BC51764, BC51765)

The initial calibration met criteria.

The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.

The continuing calibration blanks were less than the reporting level for the elements reported.

The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin

Position: Chemist

Date: 8/10/2012

Instrument: Blue 08/11/12-1 (BC51751, BC51752, BC51753, BC51754, BC51755, BC51756, BC51757, BC51758, BC51759, BC51760, BC51761, BC51762, BC51763, BC51764, BC51765)

The initial calibration met criteria.

The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.

The continuing calibration blanks were less than the reporting level for the elements reported.

The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin

Position: Chemist

Date: 8/11/2012



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

August 17, 2012

SDG I.D.: GBC51751

Instrument: Blue 08/13/12-1 (BC51752, BC51760, BC51761, BC51763, BC51764, BC51765, BC51767, BC51768)

The initial calibration met criteria.

The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.

The continuing calibration blanks were less than the reporting level for the elements reported.

The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin

Position: Chemist

Date: 8/13/2012

Instrument: Blue 08/14/12-1 (BC51752, BC51760, BC51761, BC51763, BC51764, BC51765, BC51767, BC51768)

The initial calibration met criteria.

The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.

The continuing calibration blanks were less than the reporting level for the elements reported.

The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin

Position: Chemist

Date: 8/14/2012

QC (Batch Specific)

----- Sample No: BC51130, QA/QC Batch: 206598 -----

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

----- Sample No: BC52060, QA/QC Batch: 206738 -----

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.



Environmental Laboratories, Inc.

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Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

August 17, 2012

SDG I.D.: GBC51751

VOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 206827 (Samples: BC51751, BC51753, BC51754, BC51755, BC51756, BC51757, BC51759, BC51760, BC51761, BC51763, BC51766): ----

The LCS/LCSD recovery is acceptable. One or more analytes in the site specific matrix spike recovery is below the lower range, therefore a slight low bias is possible. (2,2-Dichloropropane)

The MS and/or the MSD recovery is above the upper range for one or more analytes that were not reported in the sample(s), therefore no significant bias is suspected. (2-Hexanone, 4-Methyl-2-pentanone)

QC Batch 207324 (Samples: BC51758): ----

The LCS and/or the LCSD recovery is below the lower range, but within the method criteria. All of the other QC is acceptable, therefore no significant bias is suspected. (Methyl ethyl ketone, Tetrahydrofuran (THF))

Instrument: Chem02 08/08/12-2 (BC51751, BC51753, BC51754, BC51755, BC51756, BC51757, BC51759, BC51760, BC51761, BC51763, BC51766)

P-Side

Initial Calibration (RPP_0808):

All SPCCs, CCCs and >80% of target compounds met criteria except that the following compounds had %RSDs >20%: Trans-1,4-dichloro-2-butene

Continuing Calibration Verification:

All SPCCs, CCCs and >80% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds had % Deviations >30%: None.

Printed Name Tina Covensky

Position: Chemist

Date: 8/8/2012

Instrument: Chem02 08/09/12-1 (BC51752, BC51755, BC51756, BC51757, BC51760, BC51762, BC51764, BC51765, BC51767, BC51768)

P-Side

Initial Calibration (RPP_0808):

All SPCCs, CCCs and >80% of target compounds met criteria except that the following compounds had %RSDs >20%: Trans-1,4-dichloro-2-butene

Continuing Calibration Verification:

All SPCCs, CCCs and >80% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds had % Deviations >30%: None.

Printed Name Tina Covensky

Position: Chemist

Date: 8/9/2012



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

August 17, 2012

SDG I.D.: GBC51751

Instrument: Chem02 08/10/12-2 (BC51752)

P-Side

Initial Calibration (RPP_0808):

All SPCCs, CCCs and >80% of target compounds met criteria except that the following compounds had %RSDs >20%: Trans-1,4-dichloro-2-butene

Continuing Calibration Verification:

All SPCCs, CCCs and >80% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds had % Deviations >30%: None.

Printed Name Tina Covensky

Position: Chemist

Date: 8/10/2012

Instrument: Chem02 08/15/12-1 (BC51758)

P-Side

Initial Calibration (RPP_0808):

All SPCCs, CCCs and >80% of target compounds met criteria except that the following compounds had %RSDs >20%: Trans-1,4-dichloro-2-butene

Continuing Calibration Verification:

All SPCCs, CCCs and >80% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds had % Deviations >30%: None.

Printed Name Tina Covensky

Position: Chemist

Date: 8/15/2012

QC Comments: QC Batch 06827 08/09/12 (BC51751, BC51753, BC51754, BC51755, BC51756, BC51757, BC51759, BC51760, BC51761, BC51763, BC51766)

A blank MS/MSD was analyzed with this batch.

QC Comments: QC Batch 06879 08/10/12 (BC51752, BC51755, BC51756, BC51757, BC51760, BC51762, BC51764, BC51765, BC51767, BC51768)

A blank MS/MSD was analyzed with this batch.

QC Comments: QC Batch 07041 08/13/12 (BC51752)

A blank MS/MSD was analyzed with this batch.



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Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

August 17, 2012

SDG I.D.: GBC51751

QC (Site Specific)

----- Sample No: BC51766, QA/QC Batch: 206827 -----

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 70 - 130 with the following exceptions: 2-Hexanone(137%), 4-Methyl-2-pentanone(>150%)

All MSD recoveries were within 70 - 130 with the following exceptions: 2,2-Dichloropropane(61%)

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

----- Sample No: BC52059, QA/QC Batch: 206879 -----

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

----- Sample No: BC52818, QA/QC Batch: 207041 -----

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

----- Sample No: BC52819, QA/QC Batch: 207324 -----

All LCS recoveries were within 70 - 130 with the following exceptions: Methyl ethyl ketone(69%), Tetrahydrofuran (THF)(69%)

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.



CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
 Email: service@phoenixlabs.com Fax (860) 645-0823

Client Services (860) 645-8726

wlc IP

Temp **60°** Pg of

Data Delivery (check one):

- Fax #: _____
 Email: _____

Format: Excel Pdf Gis Key

Customer: VHB, Inc.

Address: 54 Tutle Place

Middletown, CT

VHB-ENV

Project: Envrite Landfill - Thomaston CT

Report to: Mr. Phil Rydel

Invoice to: Envrite 490 Norristown Rd, Suite 252, Blue Bell PA

Project P.O:

Phone #: _____

Fax #: _____

Sampler's Signature: PMR Date: 8/7/12

Matrix Code:
 DW=drinking water WW=wastewater S=soil/solid O=other
 GW=groundwater SL=sludge A=air

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request															
					Dissolved Ba, Cd, Cr, Cu, Fe, Mn, Na	Dissolved Ni, Zn	Total Cyanide	Chloride, NO ₂ , NO ₃ , pH, SO ₄	Conductivity, TDS, TSS	VOC by 8260	NH ₃ , TOX, Phenols, TOC	Soil VOA Vials (Soil container (40 ml VOA Vial (GL Amber 1000ml (PL AS is (X) 250ml (GL H ₂ SO ₄ (X) 250ml (PL HNO ₃ 250ml	Bacteria Bottle	
51751	MW-30	GW	8/7/2012	2:30	x	x	x	x	x	x	x				2	1	1/1	1	1	
51752	MW-31S	GW	8/7/2012	3:00	x	x	x	x	x	x	x				2	1	1/1	1	1	
51753	MW-33	GW	8/7/2012	1:05	x	x	x	x	x	x	x				2	1	1/1	1	1	
51754	MW-36	GW	8/7/2012	1:30	x	x	x	x	x	x	x				2	1	1/1	1	1	
51755	MW-41S	GW	8/7/2012	9:30	x	x	x	x	x	x	x				2	1	1/1	1	1	
51756	MW-41D	GW	8/7/2012	9:10	x	x	x	x	x	x	x				2	1	1/1	1	1	
51757	MW-41B	GW	8/7/2012	9:20	x	x	x	x	x	x	x				2	1	1/1	1	1	
51758	MW-42S	GW	8/7/2012	10:40	x	x	x	x	x	x	x				2	1	1/1	1	1	
51759	MW-42S DUP	GW	8/7/2012	10:15	x	x	x	x	x	x	x				2	1	1/1	1	1	
51760	MW-43S	GW	8/7/2012	10:45	x	x	x	x	x	x	x				2	1	1/1	1	1	
51761	MW-43D	GW	8/7/2012	10:50	x	x	x	x	x	x	x				2	1	1/1	1	1	
51762	MW-44D	GW	8/7/2012	11:30	x	x	x	x	x	x	x				2	1	1/1	1	1	

Relinquished by: _____

Accepted by: _____

Date: _____

Time: _____

TJ Wagner *T. Crowley* *8/8/12* *9:45*

Comments, Special Requirements or Regulations:

Turnaround:

- 1 Day*
 2 Days*
 3 Days*
 Standard
 Other

* Surcharge Applies

Requirements for CT

- Res. Criteria
 GW Protection
 GA Mobility
 GB Mobility
 SW Protection
 Res. Vol.
 Ind. Vol.

Requirements for MA

- GW-1
 GW-2
 GW-3
 S-1
 S-2
 S-3
 MCP Certification
 Other



CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: service@phoenixlabs.com Fax (860) 645-0823

Client Services (860) 645-8726

Customer: VHB, Inc.
Address: 54 Tutle Place
Middletown, CT

VHB-ENV

Project: Envirite Landfill - Thomaston CT

Report to: Mr. Phil Rydal

Invoice to: Envirite 490 Norristown Rd, Suite 252, Blue Bell PA

Temp 60° Pg 2 of 2

Data Delivery (check one)

<input type="checkbox"/>	Fax #:	<hr/>
<input type="checkbox"/>	Email:	<hr/>

Format: Excel Pdf Gis Key

Client Sample Information Identification

Date 8/7/12

Sampler's
Signature 

Middletown, CT

Sampler's
Signature

Matrix Code: DW=drinking water WW=wastewater S=soil/solid O=other
GW=groundwater SL=sludge A=air

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
51763	MW-44-B	GW	8/7/2012	11:50
51764	Field Blank	GW	8/7/2012	12:10
51765	Equipment Blank	GW	8/7/2012	12:20
51766	Trip Blank	GW	8/7/2012	—
51767	SW Up Stream	SW	8/7/2012	1:45
51768	SW Down Stream	SW	8/7/2012	12:30
51769				

~~Retired by:~~

Accepted by:

Date:

Time

Comments, Special Requirements or Regulations:

Turnaround:

- 1 Day*
 - 2 Days*
 - 3 Days*
 - Standard
 - Other

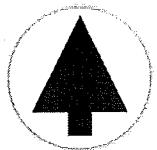
* Surcharge Applies

- #### **Requirements for CT**

- Res. Criteria
 - GW Protection
 - GA Mobility
 - GB Mobility
 - SW Protection
 - Res. Vol.
 - Ind. Vol.

- Requirements for MA**

 - GW-1
 - GW-2
 - GW-3
 - S-1
 - S-2
 - S-3
 - MCP Certification
 - Other



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services, Inc.

24 Tower Office Park

Woburn, MA 01801

Toll-free: (800) 519-PINE (7463)

Pine Environmental Services, Inc.

Instrument ID 3748

Description Hanna HI 991301

Calibrated 8/3/2012

Manufacturer Hanna	State Certified
Model Number HI 991301	Status Pass
Serial Number/ Lot 136405	Temp °C 24
Number	Humidity % 60
Location Massachusetts	
Department	

Calibration Specifications

Group # 1

Group Name PH

Stated Accy Pct of Reading

Range Acc % 0.0000

Reading Acc % 3.0000

Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.01 / 7.01	PH	7.01	PH	7.01	7.01	0.00%	Pass
4.01 / 4.01	PH	4.01	PH	4.01	4.01	0.00%	Pass

Group # 2

Group Name Conductivity

Stated Accy Pct of Reading

Range Acc % 0.0000

Reading Acc % 3.0000

Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
12.880 / 12.880	ms/cm	12.880	ms/cm	12.880	12.880	0.00%	Pass

Test Instruments Used During the Calibration

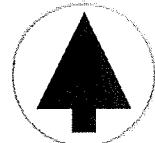
(As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Next Cal Date / Last Cal Date/ Expiration Date Opened Date
MA COND 12.88	MA COND 12.88	Hanna	Conductivity	0949	7/1/2013
MA PH4 2106498	MA PH4 SOLUTION	VWR	MA PH4	2106498	6/1/2013
MA PH7 2109104	MA PH7 SOLUTION	VWR	MA PH7	2109104	8/31/2013

Notes about this calibration

Calibration Result Calibration Successful

Who Calibrated Sheila Blouin



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services, Inc.

24 Tower Office Park
Woburn, MA 01801

Toll-free: (800) 519-PINE (7463)

Pine Environmental Services, Inc.

Instrument ID 3748

Description Hanna HI 991301

Calibrated 8/3/2012

All instruments are calibrated by Pine Environmental Services, Inc. according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services, Inc. of any defect within 24 hours of receipt of equipment
Please call 866-960-7463 for Technical Assistance